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Administration

# Petroleum Supply Monthly

with data for June 2017

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## Preface

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The Petroleum Supply Monthly (PSM) is the monthly component of a series of three publications produced by the Office of Petroleum and Biofuels Statistics of the U.S. Energy Information Administration (EIA). The other two components are the Weekly Petroleum Status Report (WPSR) and the Petroleum Supply Annual (PSA). Together these publications present comprehensive petroleum and biofuel supply data on a weekly, monthly and annual basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply. Included are: petroleum refiners, motor gasoline blenders, oxygenate producers, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of crude oil, petroleum products, and biofuels. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

### Scope of data

The PSM presents statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District levels, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources including federal and state agencies.

### Sections

- U.S. supply and disposition of crude oil, petroleum products, and biofuels
- Regional supply and disposition of crude oil, petroleum products, and biofuels
- Crude oil supply and disposition and production by state
- Natural Gas Processing
- Refinery Operations
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**Table 1. U.S. Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b>	<b>272,908</b>	--	--	<b>240,308</b>	<b>4,766</b>	<b>-21,759</b>	<b>516,149</b>	<b>23,592</b>	<b>0</b>	<b>1,179,587</b>
<b>Hydrocarbon Gas Liquids</b>	<b>112,548</b>	<b>-650</b>	<b>27,448</b>	<b>4,566</b>	--	<b>19,804</b>	<b>14,200</b>	<b>36,745</b>	<b>73,163</b>	<b>190,590</b>
Natural Gas Liquids	112,548	-650	18,899	3,610	--	19,586	14,200	36,745	63,876	184,650
Ethane	42,351	--	151	--	--	-80	--	3,586	38,996	51,721
Propane	36,481	--	9,984	2,783	--	10,842	--	22,261	16,145	57,048
Normal Butane	8,509	--	8,905	335	--	8,088	1,926	4,629	3,106	46,324
Isobutane	11,211	--	-141	320	--	-272	6,559	78	5,025	9,004
Natural Gasoline	13,996	-650	--	172	--	1,008	5,715	6,190	605	20,553
Refinery Olefins	--	--	8,549	956	--	218	--	--	9,287	5,940
Ethylene	--	--	18	--	--	0	--	--	18	0
Propylene	--	--	8,473	704	--	74	--	--	9,103	4,028
Butylene	--	--	29	252	--	127	--	--	154	1,873
Isobutylene	--	--	29	--	--	17	--	--	12	39
<b>Other Liquids</b>	--	<b>36,127</b>	--	<b>44,895</b>	<b>-2,368</b>	<b>-10,193</b>	<b>74,750</b>	<b>13,992</b>	<b>106</b>	<b>333,478</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	36,131	--	2,919	2,669	-952	37,820	4,852	0	29,335
Hydrogen	--	--	--	--	6,924	--	6,924	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,128	--	452	-29	135	--	2,416	0	1,679
Renewable Fuels (including Fuel Ethanol)	--	34,003	--	2,450	-4,241	-1,080	30,857	2,436	0	27,635
Fuel Ethanol <sup>5</sup>	--	30,667	--	252	-1,155	-1,146	28,700	2,210	0	21,763
Renewable Fuels Except Fuel Ethanol	--	3,336	--	2,198	-3,086	66	2,157	226	0	5,872
Other Hydrocarbons	--	--	--	17	15	-7	39	--	0	21
Unfinished Oils	--	--	--	20,014	--	-4,559	16,895	7,577	101	88,673
Motor Gasoline Blend.Comp. (MGBG) <sup>5</sup>	--	-4	--	21,962	-5,037	-4,675	20,033	1,563	0	215,463
Reformulated	--	--	--	8,091	1,701	-493	10,276	9	0	52,702
Conventional	--	-4	--	13,871	-6,739	-4,182	9,757	1,553	0	162,761
Aviation Gasoline Blend. Comp.	--	--	--	--	--	-7	2	--	5	7
<b>Finished Petroleum Products</b>	--	<b>115</b>	<b>612,185</b>	<b>17,421</b>	<b>9,380</b>	<b>-12,564</b>	--	<b>110,112</b>	<b>541,554</b>	<b>305,517</b>
Finished Motor Gasoline	--	115	308,063	692	6,192	497	--	21,578	292,987	22,480
Reformulated	--	--	101,116	--	-176	4	--	--	100,936	50
Conventional	--	115	206,947	692	6,368	493	--	21,578	192,051	22,430
Finished Aviation Gasoline	--	--	356	12	--	-131	--	--	499	831
Kerosene-Type Jet Fuel	--	--	52,909	3,576	--	-3,407	--	7,018	52,874	41,047
Kerosene	--	--	71	--	--	-103	--	108	66	1,800
Distillate Fuel Oil <sup>5</sup>	--	--	158,242	3,054	3,188	-2,185	--	47,608	119,061	151,608
15 ppm sulfur and under	--	--	148,793	2,033	3,188	-1,948	--	40,807	115,155	135,628
Greater than 15 ppm to 500 ppm sulfur	--	--	3,000	39	--	63	--	2,879	97	6,618
Greater than 500 ppm sulfur	--	--	6,449	982	--	-300	--	3,922	3,809	9,362
Residual Fuel Oil <sup>6</sup>	--	--	12,439	5,153	--	-4,784	--	9,838	12,538	35,188
Less than 0.31 percent sulfur	--	--	1,717	252	--	-84	--	NA	NA	3,384
0.31 to 1.00 percent sulfur	--	--	1,514	318	--	-2,031	--	NA	NA	6,324
Greater than 1.00 percent sulfur	--	--	9,208	4,583	--	-2,669	--	NA	NA	25,474
Petrochemical Feedstocks	--	--	10,138	1,275	--	-353	--	--	11,766	3,175
Naphtha for Petro. Feed. Use	--	--	6,253	796	--	-366	--	--	7,415	2,060
Other Oils for Petro. Feed. Use	--	--	3,885	479	--	13	--	--	4,351	1,115
Special Naphthas	--	--	1,230	475	--	37	--	--	1,668	994
Lubricants	--	--	5,720	1,354	--	200	--	3,620	3,254	9,239
Waxes	--	--	173	112	--	38	--	132	115	737
Petroleum Coke	--	--	28,113	190	--	376	--	19,818	8,109	7,212
Marketable	--	--	20,924	190	--	376	--	19,818	920	7,212
Catalyst	--	--	7,189	--	--	--	--	--	7,189	--
Asphalt and Road Oil	--	--	10,467	1,525	--	-2,682	--	372	14,302	30,546
Still Gas	--	--	21,330	--	--	--	--	--	21,330	--
Miscellaneous Products	--	--	2,934	3	--	-67	--	19	2,985	660
<b>Total</b>	<b>385,456</b>	<b>35,592</b>	<b>639,633</b>	<b>307,190</b>	<b>11,778</b>	<b>-24,712</b>	<b>605,099</b>	<b>184,440</b>	<b>614,823</b>	<b>2,009,172</b>

-- = Not Applicable.

NA = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 2. U.S. Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels)

Commodity	Supply					Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>	
<b>Crude Oil<sup>4</sup></b> .....	<b>1,642,031</b>	<b>--</b>	<b>--</b>	<b>1,476,456</b>	<b>38,245</b>	<b>173</b>	<b>2,991,009</b>	<b>165,551</b>	<b>0</b>	<b>1,179,587</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>655,090</b>	<b>-3,889</b>	<b>124,832</b>	<b>36,186</b>	<b>--</b>	<b>-9,558</b>	<b>96,140</b>	<b>251,012</b>	<b>474,625</b>	<b>190,590</b>
Natural Gas Liquids .....	655,090	-3,889	74,650	30,712	--	-6,153	96,140	251,012	415,564	184,650
Ethane .....	246,270	--	887	--	--	1,034	--	27,826	218,297	51,721
Propane .....	214,577	--	55,225	24,756	--	-20,072	--	165,180	149,450	57,048
Normal Butane .....	53,724	--	18,722	2,051	--	16,485	28,167	22,765	7,080	46,324
Isobutane .....	62,280	--	-184	1,820	--	879	37,585	882	24,570	9,004
Natural Gasoline .....	78,239	-3,889	--	2,085	--	-4,479	30,388	34,360	16,166	20,553
Refinery Olefins .....	--	--	50,182	5,474	--	-3,405	--	--	59,061	5,940
Ethylene .....	--	--	126	--	--	0	--	--	126	0
Propylene .....	--	--	51,416	4,454	--	-2,948	--	--	58,818	4,028
Butylene .....	--	--	-1,538	1,020	--	-496	--	--	-22	1,873
Isobutylene .....	--	--	178	--	--	39	--	--	139	39
<b>Other Liquids</b> .....	<b>--</b>	<b>214,853</b>	<b>--</b>	<b>234,395</b>	<b>22,416</b>	<b>15,373</b>	<b>364,593</b>	<b>88,679</b>	<b>3,020</b>	<b>333,478</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	214,878	--	10,045	22,573	934	216,809	29,753	0	29,335
Hydrogen .....	--	--	--	--	39,710	--	39,710	--	0	--
Oxygenates (excluding Fuel Ethanol) .....	--	12,440	--	2,350	-2,025	202	318	12,245	0	1,679
Renewable Fuels (including Fuel Ethanol) .....	--	202,438	--	7,582	-15,195	728	176,589	17,508	0	27,635
Fuel Ethanol <sup>5</sup> .....	--	185,657	--	480	-2,627	2,232	164,755	16,523	0	21,763
Renewable Fuels Except Fuel Ethanol .....	--	16,781	--	7,102	-12,568	-1,504	11,834	985	0	5,872
Other Hydrocarbons .....	--	--	--	113	83	4	192	--	0	21
Unfinished Oils .....	--	--	--	109,835	--	8,091	53,191	45,468	3,085	88,673
Motor Gasoline Blend.Comp. (MGBG) <sup>5</sup> .....	--	-25	--	114,515	-156	6,350	94,526	13,458	0	215,463
Reformulated .....	--	-1	--	41,448	32,289	553	73,138	45	0	52,702
Conventional .....	--	-24	--	73,067	-32,445	5,797	21,388	13,413	0	162,761
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	-2	67	--	-65	7
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>546</b>	<b>3,528,637</b>	<b>121,109</b>	<b>15,961</b>	<b>-24,154</b>	<b>--</b>	<b>590,841</b>	<b>3,099,566</b>	<b>305,517</b>
Finished Motor Gasoline .....	--	546	1,779,964	6,701	2,783	-6,130	--	123,351	1,672,773	22,480
Reformulated .....	--	--	584,775	--	-29,191	3	--	--	555,581	50
Conventional .....	--	546	1,195,189	6,701	31,974	-6,133	--	123,351	1,117,192	22,430
Finished Aviation Gasoline .....	--	--	1,808	43	--	-163	--	--	2,014	831
Kerosene-Type Jet Fuel .....	--	--	305,009	25,264	--	-1,729	--	35,002	297,000	41,047
Kerosene .....	--	--	986	168	--	-461	--	608	1,007	1,800
Distillate Fuel Oil <sup>5</sup> .....	--	--	899,163	25,623	13,178	-13,848	--	240,657	711,155	151,608
15 ppm sulfur and under .....	--	--	839,207	17,324	13,178	-7,392	--	201,126	675,975	135,628
Greater than 15 ppm to 500 ppm sulfur .....	--	--	21,425	246	--	-2,204	--	22,747	1,128	6,618
Greater than 500 ppm sulfur .....	--	--	38,531	8,053	--	-4,252	--	16,784	34,052	9,362
Residual Fuel Oil <sup>6</sup> .....	--	--	79,155	35,643	--	-6,355	--	54,581	66,572	35,188
Less than 0.31 percent sulfur .....	--	--	10,585	1,715	--	-87	--	NA	NA	3,384
0.31 to 1.00 percent sulfur .....	--	--	9,634	3,580	--	-2,748	--	NA	NA	6,324
Greater than 1.00 percent sulfur .....	--	--	58,936	30,348	--	-3,520	--	NA	NA	25,474
Petrochemical Feedstocks .....	--	--	58,961	8,401	--	-65	--	--	67,427	3,175
Naphtha for Petro. Feed. Use .....	--	--	37,921	5,751	--	49	--	--	43,623	2,060
Other Oils for Petro. Feed. Use .....	--	--	21,040	2,650	--	-114	--	--	23,804	1,115
Special Naphthas .....	--	--	6,618	2,432	--	-224	--	--	9,274	994
Lubricants .....	--	--	30,767	7,585	--	-3,136	--	20,927	20,561	9,239
Waxes .....	--	--	928	797	--	66	--	744	915	737
Petroleum Coke .....	--	--	164,800	1,359	--	229	--	112,090	53,840	7,212
Marketable .....	--	--	123,690	1,359	--	229	--	112,090	12,730	7,212
Catalyst .....	--	--	41,110	--	--	--	--	--	41,110	--
Asphalt and Road Oil .....	--	--	59,305	7,085	--	7,680	--	2,635	56,075	30,546
Still Gas .....	--	--	123,915	--	--	--	--	--	123,915	--
Miscellaneous Products .....	--	--	17,258	8	--	-18	--	245	17,039	660
<b>Total</b> .....	<b>2,297,121</b>	<b>211,510</b>	<b>3,653,469</b>	<b>1,868,146</b>	<b>76,623</b>	<b>-18,166</b>	<b>3,451,742</b>	<b>1,096,083</b>	<b>3,577,211</b>	<b>2,009,172</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

**Table 3. U.S. Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>9,097</b>	--	--	<b>8,010</b>	<b>159</b>	<b>-725</b>	<b>17,205</b>	<b>786</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>3,752</b>	<b>-22</b>	<b>915</b>	<b>152</b>	--	<b>660</b>	<b>473</b>	<b>1,225</b>	<b>2,439</b>
Natural Gas Liquids .....	3,752	-22	630	120	--	653	473	1,225	2,129
Ethane .....	1,412	--	5	--	--	-3	--	120	1,300
Propane .....	1,216	--	333	93	--	361	--	742	538
Normal Butane .....	284	--	297	11	--	270	64	154	104
Isobutane .....	374	--	-5	11	--	-9	219	3	167
Natural Gasoline .....	467	-22	--	6	--	34	191	206	20
Refinery Olefins .....	--	--	285	32	--	7	--	--	310
Ethylene .....	--	--	1	--	--	0	--	--	1
Propylene .....	--	--	282	23	--	2	--	--	303
Butylene .....	--	--	1	8	--	4	--	--	5
Isobutylene .....	--	--	1	--	--	1	--	--	0
<b>Other Liquids</b> .....	--	<b>1,204</b>	--	<b>1,497</b>	<b>-79</b>	<b>-340</b>	<b>2,492</b>	<b>466</b>	<b>4</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,204	--	97	89	-32	1,261	162	0
Hydrogen .....	--	--	--	--	231	--	231	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	71	--	15	-1	5	--	81	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,133	--	82	-141	-36	1,029	81	0
Fuel Ethanol <sup>5</sup> .....	--	1,022	--	8	-39	-38	957	74	0
Renewable Fuels Except Fuel Ethanol .....	--	111	--	73	-103	2	72	8	0
Other Hydrocarbons .....	--	--	--	1	1	0	1	--	0
Unfinished Oils .....	--	--	--	667	--	-152	563	253	3
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	0	--	732	-168	-156	668	52	0
Reformulated .....	--	--	--	270	57	-16	343	0	0
Conventional .....	--	0	--	462	-225	-139	325	52	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	<b>4</b>	<b>20,406</b>	<b>581</b>	<b>313</b>	<b>-419</b>	--	<b>3,670</b>	<b>18,052</b>
Finished Motor Gasoline .....	--	4	10,269	23	206	17	--	719	9,766
Reformulated .....	--	--	3,371	--	-6	0	--	--	3,365
Conventional .....	--	4	6,898	23	212	16	--	719	6,402
Finished Aviation Gasoline .....	--	--	12	0	--	-4	--	--	17
Kerosene-Type Jet Fuel .....	--	--	1,764	119	--	-114	--	234	1,762
Kerosene .....	--	--	2	--	--	-3	--	4	2
Distillate Fuel Oil <sup>5</sup> .....	--	--	5,275	102	106	-73	--	1,587	3,969
15 ppm sulfur and under .....	--	--	4,960	68	106	-65	--	1,360	3,838
Greater than 15 ppm to 500 ppm sulfur .....	--	--	100	1	--	2	--	96	3
Greater than 500 ppm sulfur .....	--	--	215	33	--	-10	--	131	127
Residual Fuel Oil <sup>6</sup> .....	--	--	415	172	--	-159	--	328	418
Less than 0.31 percent sulfur .....	--	--	57	8	--	-3	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	50	11	--	-68	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	307	153	--	-89	--	NA	NA
Petrochemical Feedstocks .....	--	--	338	43	--	-12	--	--	392
Naphtha for Petro. Feed. Use .....	--	--	208	27	--	-12	--	--	247
Other Oils for Petro. Feed. Use .....	--	--	130	16	--	0	--	--	145
Special Naphthas .....	--	--	41	16	--	1	--	--	56
Lubricants .....	--	--	191	45	--	7	--	121	108
Waxes .....	--	--	6	4	--	1	--	4	4
Petroleum Coke .....	--	--	937	6	--	13	--	661	270
Marketable .....	--	--	697	6	--	13	--	661	31
Catalyst .....	--	--	240	--	--	--	--	--	240
Asphalt and Road Oil .....	--	--	349	51	--	-89	--	12	477
Still Gas .....	--	--	711	--	--	--	--	--	711
Miscellaneous Products .....	--	--	98	0	--	-2	--	1	99
<b>Total</b> .....	<b>12,849</b>	<b>1,186</b>	<b>21,321</b>	<b>10,240</b>	<b>393</b>	<b>-824</b>	<b>20,170</b>	<b>6,148</b>	<b>20,494</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 13 for the breakout of Commercial Crude Oil.



**Table 4. U.S. Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels per Day)

Commodity	Supply					Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports	Adjustments <sup>1</sup>	Stock Change <sup>2</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>3</sup>
<b>Crude Oil<sup>4</sup></b> .....	<b>9,072</b>	--	--	<b>8,157</b>	<b>211</b>	<b>1</b>	<b>16,525</b>	<b>915</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>3,619</b>	<b>-21</b>	<b>690</b>	<b>200</b>	--	<b>-53</b>	<b>531</b>	<b>1,387</b>	<b>2,622</b>
Natural Gas Liquids .....	3,619	-21	412	170	--	-34	531	1,387	2,296
Ethane .....	1,361	--	--	--	--	6	--	154	1,206
Propane .....	1,186	--	305	137	--	-111	--	913	826
Normal Butane .....	297	--	103	11	--	91	156	126	39
Isobutane .....	344	--	-213	10	--	5	208	5	136
Natural Gasoline .....	432	-21	--	12	--	-25	168	190	89
Refinery Olefins .....	--	--	277	30	--	-19	--	--	326
Ethylene .....	--	--	1	--	--	0	--	--	1
Propylene .....	--	--	284	25	--	-16	--	--	325
Butylene .....	--	--	-8	6	--	-3	--	--	0
Isobutylene .....	--	--	285	--	--	0	--	--	1
<b>Other Liquids</b> .....	--	<b>1,187</b>	--	<b>1,295</b>	<b>124</b>	<b>85</b>	<b>2,014</b>	<b>490</b>	<b>17</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	1,187	--	55	125	5	1,198	164	0
Hydrogen .....	--	--	--	--	219	--	219	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	69	--	13	-11	1	2	68	0
Renewable Fuels (including Fuel Ethanol) .....	--	1,118	--	42	-84	4	976	97	0
Fuel Ethanol <sup>5</sup> .....	--	1,026	--	3	-15	12	910	91	0
Renewable Fuels Except Fuel Ethanol .....	--	93	--	39	-69	-8	65	5	0
Other Hydrocarbons .....	--	--	--	1	0	0	1	--	0
Unfinished Oils .....	--	--	--	607	--	45	294	251	17
Motor Gasoline Blend.Comp. (MGBC) <sup>5</sup> .....	--	0	--	633	-1	35	522	74	0
Reformulated .....	--	0	--	229	178	3	404	0	0
Conventional .....	--	0	--	404	-179	32	118	74	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b> .....	--	<b>3</b>	<b>19,495</b>	<b>669</b>	<b>88</b>	<b>-133</b>	--	<b>3,264</b>	<b>17,125</b>
Finished Motor Gasoline .....	--	3	9,834	37	15	-34	--	681	9,242
Reformulated .....	--	--	3,231	--	-161	0	--	--	3,070
Conventional .....	--	3	6,603	37	177	-34	--	681	6,172
Finished Aviation Gasoline .....	--	--	10	0	--	-1	--	--	11
Kerosene-Type Jet Fuel .....	--	--	1,685	140	--	-10	--	193	1,641
Kerosene .....	--	--	5	1	--	-3	--	3	6
Distillate Fuel Oil <sup>5</sup> .....	--	--	4,968	142	73	-77	--	1,330	3,929
15 ppm sulfur and under .....	--	--	4,637	96	73	-41	--	1,111	3,735
Greater than 15 ppm to 500 ppm sulfur .....	--	--	118	1	--	-12	--	126	6
Greater than 500 ppm sulfur .....	--	--	213	44	--	-23	--	93	188
Residual Fuel Oil <sup>6</sup> .....	--	--	437	197	--	-35	--	302	368
Less than 0.31 percent sulfur .....	--	--	58	9	--	0	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	53	20	--	-15	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	326	168	--	-19	--	NA	NA
Petrochemical Feedstocks .....	--	--	326	46	--	0	--	--	373
Naphtha for Petro. Feed. Use .....	--	--	210	32	--	0	--	--	241
Other Oils for Petro. Feed. Use .....	--	--	116	15	--	-1	--	--	132
Special Naphthas .....	--	--	37	13	--	-1	--	--	51
Lubricants .....	--	--	170	42	--	-17	--	116	114
Waxes .....	--	--	5	4	--	0	--	4	5
Petroleum Coke .....	--	--	910	8	--	1	--	619	297
Marketable .....	--	--	683	8	--	1	--	619	70
Catalyst .....	--	--	227	--	--	--	--	--	227
Asphalt and Road Oil .....	--	--	328	39	--	42	--	15	310
Still Gas .....	--	--	685	--	--	--	--	--	685
Miscellaneous Products .....	--	--	95	0	--	0	--	1	94
<b>Total</b> .....	<b>12,691</b>	<b>1,169</b>	<b>20,185</b>	<b>10,321</b>	<b>423</b>	<b>-100</b>	<b>19,070</b>	<b>6,056</b>	<b>19,764</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>5</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.  
Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, the U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates.

<sup>4</sup> Includes value for the Strategic Petroleum Reserve. See Table 13 for the breakout of Commercial Crude Oil.

**Table 5. PAD District 1 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>1,403</b>	--	--	<b>31,683</b>	<b>2,926</b>	<b>-3,181</b>	<b>-1,032</b>	<b>33,863</b>	<b>0</b>	<b>0</b>	<b>15,773</b>
<b>Hydrocarbon Gas Liquids</b>	<b>12,911</b>	<b>-16</b>	<b>1,773</b>	<b>974</b>	<b>-1,933</b>	--	<b>1,409</b>	<b>383</b>	<b>2,829</b>	<b>9,088</b>	<b>7,749</b>
Natural Gas Liquids	12,911	-16	1,393	674	-2,338	--	1,387	383	2,829	8,025	7,592
Ethane	5,456	--	--	--	-4,155	--	132	--	1,050	119	526
Propane	4,264	--	750	568	1,905	--	748	--	1,326	5,413	4,383
Normal Butane	1,294	--	671	50	-245	--	442	30	323	975	2,325
Isobutane	647	--	-28	56	167	--	-18	353	1	506	135
Natural Gasoline	1,250	-16	--	--	-10	--	83	--	129	1,012	223
Refinery Olefins	--	--	380	300	405	--	22	--	--	1,063	157
Ethylene	--	--	10	--	--	--	--	--	--	10	--
Propylene	--	--	383	300	405	--	8	--	--	1,080	102
Butylene	--	--	-74	--	--	--	-3	--	--	-71	16
Isobutylene	--	--	61	--	--	--	17	--	--	44	39
<b>Other Liquids</b>	--	<b>993</b>	--	<b>20,142</b>	<b>58,345</b>	<b>2,418</b>	<b>-3,665</b>	<b>86,732</b>	<b>807</b>	<b>-1,976</b>	<b>78,014</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	996	--	1,284	9,859	-1,355	-38	10,788	35	0	9,840
Hydrogen	--	--	--	--	--	88	--	88	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	1	--	--	1	0	--
Renewable Fuels (including Fuel Ethanol)	--	996	--	1,284	9,859	-1,444	-38	10,700	34	0	9,840
Fuel Ethanol	--	817	--	--	9,806	-741	-557	10,421	18	0	7,649
Renewable Fuels Except Fuel Ethanol	--	179	--	1,284	53	-703	519	279	15	0	2,191
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	859	-39	--	-295	2,324	767	-1,976	5,053
Motor Gasoline Blend.Comp. (MGBC)	--	-3	--	17,999	48,525	3,772	-3,332	73,620	5	0	63,121
Reformulated	--	--	--	7,833	10,597	957	-849	20,235	1	0	21,095
Conventional	--	-3	--	10,166	37,928	2,816	-2,483	53,385	5	0	42,026
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>120,645</b>	<b>8,014</b>	<b>43,878</b>	<b>-2,329</b>	<b>-2,803</b>	--	<b>6,550</b>	<b>166,462</b>	<b>88,225</b>
Finished Motor Gasoline	--	--	101,233	610	5,021	-3,032	125	--	28	103,679	4,102
Reformulated	--	--	40,861	--	--	-407	-3	--	--	40,457	30
Conventional	--	--	60,372	610	5,021	-2,625	128	--	28	63,222	4,072
Finished Aviation Gasoline	--	--	--	1	953	--	-40	--	--	994	146
Kerosene-Type Jet Fuel	--	--	2,779	1,662	14,334	--	-1,840	--	303	20,312	9,191
Kerosene	--	--	129	--	--	--	-23	--	50	102	1,576
Distillate Fuel Oil <sup>6</sup>	--	--	10,931	2,745	21,475	703	-280	--	3,187	32,946	54,872
15 ppm sulfur and under	--	--	10,066	1,774	19,972	703	-229	--	3,187	29,557	46,595
Greater than 15 ppm to 500 ppm sulfur	--	--	120	39	199	--	133	--	0	225	4,140
Greater than 500 ppm sulfur	--	--	745	932	1,304	--	-184	--	0	3,165	4,137
Residual Fuel Oil <sup>7</sup>	--	--	1,555	1,221	--	--	-437	--	1,371	1,842	8,645
Less than 0.31 percent sulfur	--	--	326	--	--	--	303	--	NA	NA	1,908
0.31 to 1.00 percent sulfur	--	--	516	--	--	--	-66	--	NA	NA	1,048
Greater than 1.00 percent sulfur	--	--	713	1,221	--	--	-674	--	NA	NA	5,689
Petrochemical Feedstocks	--	--	115	3	-9	--	-51	--	--	160	111
Naphtha for Petro. Feed. Use	--	--	115	3	--	--	-51	--	--	169	111
Other Oils for Petro. Feed. Use	--	--	--	--	-9	--	--	--	--	-9	--
Special Naphthas	--	--	23	--	--	--	-1	--	--	24	18
Lubricants	--	--	427	594	523	--	92	--	210	1,242	1,056
Waxes	--	--	11	66	9	--	13	--	71	2	414
Petroleum Coke	--	--	1,025	--	345	--	--	--	1,281	89	--
Marketable	--	--	320	--	345	--	--	--	1,281	-616	--
Catalyst	--	--	705	--	--	--	--	--	--	705	--
Asphalt and Road Oil	--	--	1,065	1,112	1,227	--	-356	--	41	3,718	8,065
Still Gas	--	--	1,251	--	--	--	--	--	--	1,251	--
Miscellaneous Products	--	--	101	--	--	--	-5	--	7	99	29
<b>Total</b>	<b>14,314</b>	<b>977</b>	<b>122,418</b>	<b>60,813</b>	<b>103,216</b>	<b>-3,092</b>	<b>-6,091</b>	<b>120,978</b>	<b>10,186</b>	<b>173,574</b>	<b>189,761</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly

**Table 6. PAD District 1 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>8,226</b>	--	--	<b>158,653</b>	<b>21,754</b>	<b>4,827</b>	<b>3,528</b>	<b>185,930</b>	<b>4,003</b>	<b>0</b>	<b>15,773</b>
<b>Hydrocarbon Gas Liquids</b>	<b>73,182</b>	<b>-91</b>	<b>6,419</b>	<b>9,653</b>	<b>-3,148</b>	--	<b>-18</b>	<b>5,199</b>	<b>23,304</b>	<b>57,530</b>	<b>7,749</b>
Natural Gas Liquids	73,182	-91	3,799	7,411	-4,779	--	84	5,199	23,304	50,935	--
Ethane	30,873	--	--	--	-23,739	--	86	--	6,698	350	--
Propane	24,338	--	3,756	6,858	17,012	--	-1,472	--	7,721	45,715	--
Normal Butane	7,326	--	256	172	1,068	--	1,453	2,315	610	4,444	--
Isobutane	3,656	--	-213	381	940	--	-23	2,283	4	2,500	--
Natural Gasoline	6,989	-91	--	--	-60	--	40	601	8,270	-2,073	--
Refinery Olefins	--	--	2,620	2,242	1,631	--	-102	--	--	6,595	--
Ethylene	--	--	83	--	--	--	--	--	--	83	--
Propylene	--	--	2,516	2,242	1,631	--	-57	--	--	6,446	--
Butylene	--	--	-264	--	--	--	-84	--	--	-180	--
Isobutylene	--	--	285	--	--	--	39	--	--	246	--
<b>Other Liquids</b>	--	<b>5,619</b>	--	<b>113,172</b>	<b>342,388</b>	<b>36,373</b>	<b>4,905</b>	<b>493,592</b>	<b>11,306</b>	<b>-12,252</b>	<b>78,014</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	5,637	--	3,387	56,029	-1,155	730	62,837	331	0	9,840
Hydrogen	--	--	--	--	--	609	--	609	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	7	--	--	7	0	--
Renewable Fuels (including Fuel Ethanol)	--	5,637	--	3,385	56,029	-1,769	730	62,228	324	0	9,840
Fuel Ethanol	--	4,800	--	31	55,471	1,422	1,363	60,082	280	0	7,649
Renewable Fuels Except Fuel Ethanol	--	837	--	3,354	557	-3,191	-633	2,146	44	0	2,191
Other Hydrocarbons	--	--	--	2	--	-2	--	--	--	0	--
Unfinished Oils	--	--	--	12,628	-234	--	581	13,306	10,759	-12,252	5,053
Motor Gasoline Blend.Comp. (MGBC)	--	-18	--	97,157	286,593	37,528	3,594	417,449	217	0	63,121
Reformulated	--	--	--	41,190	49,195	17,793	1,472	106,703	3	0	21,095
Conventional	--	-18	--	55,967	237,398	19,734	2,122	310,746	213	0	42,026
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>687,286</b>	<b>57,912</b>	<b>282,800</b>	<b>-35,759</b>	<b>-14,534</b>	--	<b>29,316</b>	<b>977,457</b>	<b>88,225</b>
Finished Motor Gasoline	--	--	578,956	5,789	47,292	-38,950	-1,390	--	2,173	592,304	4,102
Reformulated	--	--	231,377	--	--	-14,793	-1	--	--	216,585	30
Conventional	--	--	347,579	5,789	47,292	-24,157	-1,389	--	2,173	375,720	4,072
Finished Aviation Gasoline	--	--	--	26	5,607	--	-18	--	--	5,651	146
Kerosene-Type Jet Fuel	--	--	15,106	9,303	82,163	--	-1,887	--	999	107,460	9,191
Kerosene	--	--	558	168	--	--	-195	--	160	761	1,576
Distillate Fuel Oil <sup>6</sup>	--	--	59,078	22,086	137,836	3,191	-12,079	--	12,613	221,657	54,872
15 ppm sulfur and under	--	--	48,738	15,146	126,548	3,191	-6,862	--	9,917	190,568	46,595
Greater than 15 ppm to 500 ppm sulfur	--	--	1,404	246	1,523	--	-2,248	--	2,595	2,826	4,140
Greater than 500 ppm sulfur	--	--	8,936	6,694	9,765	--	-2,969	--	102	28,262	4,137
Residual Fuel Oil <sup>7</sup>	--	--	8,217	13,465	9	--	-2,351	--	7,530	16,512	8,645
Less than 0.31 percent sulfur	--	--	2,297	432	-103	--	908	--	NA	NA	1,908
0.31 to 1.00 percent sulfur	--	--	2,248	1,754	-17	--	-1,595	--	NA	NA	1,048
Greater than 1.00 percent sulfur	--	--	3,672	11,279	129	--	-1,664	--	NA	NA	5,689
Petrochemical Feedstocks	--	--	662	6	-131	--	-48	--	--	585	111
Naphtha for Petro. Feed. Use	--	--	662	6	--	--	-48	--	--	716	111
Other Oils for Petro. Feed. Use	--	--	--	--	-131	--	--	--	--	-131	--
Special Naphthas	--	--	117	--	--	--	-4	--	--	121	18
Lubricants	--	--	2,281	1,577	3,155	--	-152	--	1,260	5,905	1,056
Waxes	--	--	23	413	9	--	37	--	430	-22	414
Petroleum Coke	--	--	6,382	205	2,496	--	--	--	3,599	5,484	--
Marketable	--	--	2,349	205	2,496	--	--	--	3,599	1,451	--
Catalyst	--	--	4,033	--	--	--	--	--	--	4,033	--
Asphalt and Road Oil	--	--	7,486	4,874	4,364	--	3,561	--	477	12,686	8,065
Still Gas	--	--	7,831	--	--	--	--	--	--	7,831	--
Miscellaneous Products	--	--	589	--	--	--	-8	--	75	522	29
<b>Total</b>	<b>81,408</b>	<b>5,528</b>	<b>693,705</b>	<b>339,390</b>	<b>643,794</b>	<b>5,441</b>	<b>-6,119</b>	<b>684,721</b>	<b>67,929</b>	<b>1,022,735</b>	<b>189,761</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks.

Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly

**Table 7. PAD District 1 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	<b>47</b>	<b>--</b>	<b>--</b>	<b>1,056</b>	<b>98</b>	<b>-106</b>	<b>-34</b>	<b>1,129</b>	<b>0</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>430</b>	<b>-1</b>	<b>59</b>	<b>32</b>	<b>-64</b>	<b>--</b>	<b>47</b>	<b>13</b>	<b>94</b>	<b>303</b>
Natural Gas Liquids .....	430	-1	46	22	-78	--	46	13	94	268
Ethane .....	182	--	--	--	-139	--	4	--	35	4
Propane .....	142	--	25	19	64	--	25	--	--	180
Normal Butane .....	43	--	22	2	-8	--	15	1	11	33
Isobutane .....	22	--	-1	2	6	--	-1	12	0	17
Natural Gasoline .....	42	-1	--	--	0	--	3	--	4	34
Refinery Olefins .....	--	--	13	10	14	--	1	--	--	35
Ethylene .....	--	--	0	--	--	--	--	--	--	0
Propylene .....	--	--	13	10	14	--	0	--	--	36
Butylene .....	--	--	-2	--	--	--	0	--	--	-2
Isobutylene .....	--	--	2	--	--	--	1	--	--	1
<b>Other Liquids</b> .....	<b>--</b>	<b>33</b>	<b>--</b>	<b>671</b>	<b>1,945</b>	<b>81</b>	<b>-122</b>	<b>2,891</b>	<b>27</b>	<b>-66</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	--	33	--	43	329	-45	-1	360	1	0
Hydrogen .....	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) .....	--	33	--	43	329	-48	-1	357	1	0
Fuel Ethanol <sup>6</sup> .....	--	27	--	--	327	-25	-19	347	1	0
Renewable Fuels Except Fuel Ethanol .....	--	6	--	43	2	-23	17	9	1	0
Other Hydrocarbons .....	--	--	--	--	--	--	--	--	--	--
Unfinished Oils .....	--	--	--	29	-1	--	-10	77	26	-66
Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup> .....	--	0	--	600	1,618	126	-111	2,454	0	0
Reformulated .....	--	--	--	261	353	32	-28	675	0	0
Conventional .....	--	0	--	339	1,264	94	-83	1,780	0	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	<b>--</b>	<b>--</b>	<b>4,022</b>	<b>267</b>	<b>1,463</b>	<b>-78</b>	<b>-93</b>	<b>--</b>	<b>218</b>	<b>5,549</b>
Finished Motor Gasoline .....	--	--	3,374	20	167	-101	4	--	1	3,456
Reformulated .....	--	--	1,362	--	--	-14	0	--	--	1,349
Conventional .....	--	--	2,012	20	167	-87	4	--	1	2,107
Finished Aviation Gasoline .....	--	--	--	0	32	--	-1	--	--	33
Kerosene-Type Jet Fuel .....	--	--	93	55	478	--	-61	--	10	677
Kerosene .....	--	--	4	--	--	--	-1	--	2	3
Distillate Fuel Oil <sup>6</sup> .....	--	--	364	92	716	23	-9	--	106	1,098
15 ppm sulfur and under .....	--	--	336	59	666	23	-8	--	106	985
Greater than 15 ppm to 500 ppm sulfur .....	--	--	4	1	7	--	4	--	0	7
Greater than 500 ppm sulfur .....	--	--	25	31	43	--	-6	--	0	105
Residual Fuel Oil <sup>7</sup> .....	--	--	52	41	--	--	-15	--	46	61
Less than 0.31 percent sulfur .....	--	--	11	--	--	--	10	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	17	--	--	--	-2	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	24	41	--	--	-22	--	NA	NA
Petrochemical Feedstocks .....	--	--	4	0	0	--	-2	--	--	5
Naphtha for Petro. Feed. Use .....	--	--	4	0	--	--	-2	--	--	6
Other Oils for Petro. Feed. Use .....	--	--	--	--	0	--	--	--	--	0
Special Naphthas .....	--	--	1	--	--	--	0	--	--	1
Lubricants .....	--	--	14	20	17	--	3	--	7	41
Waxes .....	--	--	0	2	0	--	0	--	2	0
Petroleum Coke .....	--	--	34	--	12	--	--	--	43	3
Marketable .....	--	--	11	--	12	--	--	--	43	-21
Catalyst .....	--	--	24	--	--	--	--	--	--	24
Asphalt and Road Oil .....	--	--	36	37	41	--	-12	--	1	124
Still Gas .....	--	--	42	--	--	--	--	--	--	42
Miscellaneous Products .....	--	--	3	--	--	--	0	--	0	3
<b>Total</b> .....	<b>477</b>	<b>33</b>	<b>4,081</b>	<b>2,027</b>	<b>3,441</b>	<b>-103</b>	<b>-203</b>	<b>4,033</b>	<b>340</b>	<b>5,786</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report" and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy.

**Table 8. PAD District 1 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b> .....	45	--	--	877	120	27	19	1,027	22	0
<b>Hydrocarbon Gas Liquids</b> .....	404	-1	35	53	-17	--	0	29	129	318
Natural Gas Liquids .....	404	-1	21	41	-26	--	0	29	129	281
Ethane .....	171	--	--	--	-131	--	0	--	37	2
Propane .....	134	--	21	38	94	--	-8	--	--	253
Normal Butane .....	40	--	1	1	6	--	8	13	3	25
Isobutane .....	20	--	-1	2	5	--	0	13	0	14
Natural Gasoline .....	39	-1	--	--	0	--	0	3	46	-11
Refinery Olefins .....	--	--	14	12	9	--	-1	--	--	36
Ethylene .....	--	--	0	--	--	--	--	--	--	0
Propylene .....	--	--	14	12	9	--	0	--	--	36
Butylene .....	--	--	-1	--	--	--	0	--	--	-1
Isobutylene .....	--	--	2	--	--	--	0	--	--	1
<b>Other Liquids</b> .....	--	31	--	625	1,892	201	27	2,727	62	-68
Hydrogen/Oxygenates/Renewables/										
Other Hydrocarbons .....	--	31	--	19	310	-6	4	347	2	0
Hydrogen .....	--	--	--	--	--	3	--	3	--	0
Oxygenates (excluding Fuel Ethanol) .....	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol) ...	--	31	--	19	310	-10	4	344	2	0
Fuel Ethanol <sup>6</sup> .....	--	27	--	0	306	8	8	332	2	0
Renewable Fuels Except Fuel Ethanol .....	--	5	--	19	3	-18	-3	12	0	0
Other Hydrocarbons .....	--	--	--	0	--	0	--	--	--	0
Unfinished Oils .....	--	--	--	70	-1	--	3	74	59	-68
Motor Gasoline Blend.Comp. (MGBC) <sup>6</sup> .....	--	0	--	537	1,583	207	20	2,306	1	0
Reformulated .....	--	--	--	228	272	98	8	590	0	0
Conventional .....	--	0	--	309	1,312	109	12	1,717	1	0
Aviation Gasoline Blend. Comp. ....	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b> .....	--	--	3,797	320	1,562	-198	-80	--	162	5,400
Finished Motor Gasoline .....	--	--	3,199	32	261	-215	-8	--	12	3,272
Reformulated .....	--	--	1,278	--	--	-82	0	--	--	1,197
Conventional .....	--	--	1,920	32	261	-133	-8	--	12	2,076
Finished Aviation Gasoline .....	--	--	--	0	31	--	0	--	--	31
Kerosene-Type Jet Fuel .....	--	--	83	51	454	--	-10	--	6	594
Kerosene .....	--	--	3	1	--	--	-1	--	1	4
Distillate Fuel Oil <sup>6</sup> .....	--	--	326	122	762	18	-67	--	70	1,225
15 ppm sulfur and under .....	--	--	269	84	699	18	-38	--	55	1,053
Greater than 15 ppm to 500 ppm sulfur .....	--	--	8	1	8	--	-12	--	14	16
Greater than 500 ppm sulfur .....	--	--	49	37	54	--	-16	--	1	156
Residual Fuel Oil <sup>7</sup> .....	--	--	45	74	0	--	-13	--	42	91
Less than 0.31 percent sulfur .....	--	--	13	2	-1	--	5	--	NA	NA
0.31 to 1.00 percent sulfur .....	--	--	12	10	0	--	-9	--	NA	NA
Greater than 1.00 percent sulfur .....	--	--	20	62	1	--	-9	--	NA	NA
Petrochemical Feedstocks .....	--	--	4	0	-1	--	0	--	--	3
Naphtha for Petro. Feed. Use .....	--	--	4	0	--	--	0	--	--	4
Other Oils for Petro. Feed. Use .....	--	--	--	--	-1	--	--	--	--	-1
Special Naphthas .....	--	--	1	--	--	--	0	--	--	1
Lubricants .....	--	--	13	9	17	--	-1	--	7	33
Waxes .....	--	--	0	2	0	--	0	--	2	0
Petroleum Coke .....	--	--	35	1	14	--	--	--	20	30
Marketable .....	--	--	13	1	14	--	--	--	20	8
Catalyst .....	--	--	22	--	--	--	--	--	--	22
Asphalt and Road Oil .....	--	--	41	27	24	--	20	--	3	70
Still Gas .....	--	--	43	--	--	--	--	--	--	43
Miscellaneous Products .....	--	--	3	--	--	--	0	--	0	3
<b>Total</b> .....	450	31	3,833	1,875	3,557	30	-34	3,783	375	5,650

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report" and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management.



**Table 9. PAD District 2 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>50,299</b>	--	--	<b>73,423</b>	<b>-3,401</b>	<b>-5,188</b>	<b>-8,972</b>	<b>117,307</b>	<b>6,797</b>	<b>0</b>	<b>148,817</b>
<b>Hydrocarbon Gas Liquids</b>	<b>25,383</b>	<b>-593</b>	<b>6,034</b>	<b>1,952</b>	<b>-8,926</b>	--	<b>6,649</b>	<b>2,275</b>	<b>8,611</b>	<b>6,315</b>	<b>48,786</b>
Natural Gas Liquids	25,383	-593	4,615	1,499	-8,219	--	6,487	2,275	8,611	5,312	48,107
Ethane	8,296	--	--	--	-3,798	--	-193	--	1,854	2,837	5,764
Propane	9,356	--	2,316	1,103	-7,007	--	3,232	--	461	2,075	18,007
Normal Butane	2,947	--	2,434	214	-1,505	--	3,289	80	685	36	13,233
Isobutane	1,715	--	-135	179	-151	--	-33	1,448	0	193	2,032
Natural Gasoline	3,069	-593	--	3	4,242	--	192	747	5,610	172	9,071
Refinery Olefins	--	--	1,419	453	-707	--	162	--	--	1,003	679
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,258	404	-707	--	67	--	--	888	535
Butylene	--	--	161	49	--	--	95	--	--	115	144
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>30,202</b>	--	<b>545</b>	<b>-9,663</b>	<b>-629</b>	<b>-2,323</b>	<b>22,365</b>	<b>2,196</b>	<b>-1,783</b>	<b>69,699</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	30,203	--	62	-21,127	141	-1,035	9,600	714	0	8,031
Hydrogen	--	--	--	--	--	1,132	--	1,132	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	0	0	6
Renewable Fuels (including Fuel Ethanol)	--	30,203	--	61	-21,127	-1,023	-1,028	8,429	714	0	8,004
Fuel Ethanol	--	28,003	--	--	-20,713	200	-963	7,896	557	0	7,083
Renewable Fuels Except Fuel Ethanol	--	2,200	--	61	-414	-1,222	-65	533	157	0	921
Other Hydrocarbons	--	--	--	1	--	31	-7	39	--	0	21
Unfinished Oils	--	--	--	--	49	--	200	153	1,479	-1,783	14,161
Motor Gasoline Blend.Comp. (MGBC)	--	-1	--	483	11,415	-770	-1,488	12,612	3	0	47,507
Reformulated	--	--	--	258	3,402	-2,370	-60	1,350	--	0	6,657
Conventional	--	-1	--	225	8,013	1,600	-1,428	11,262	3	0	40,850
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>115</b>	<b>142,787</b>	<b>843</b>	<b>2,547</b>	<b>1,793</b>	<b>-4,194</b>	--	<b>850</b>	<b>151,428</b>	<b>62,341</b>
Finished Motor Gasoline	--	115	82,410	--	1,011	570	-223	--	42	84,287	6,072
Reformulated	--	--	11,410	--	--	2,780	--	--	--	14,190	--
Conventional	--	115	71,000	--	1,011	-2,210	-223	--	42	70,097	6,072
Finished Aviation Gasoline	--	--	41	4	15	--	-19	--	--	79	187
Kerosene-Type Jet Fuel	--	--	7,882	--	992	--	-250	--	37	9,087	7,236
Kerosene	--	--	-26	--	--	--	-36	--	2	8	113
Distillate Fuel Oil	--	--	34,260	35	2,897	1,222	-2,133	--	91	40,456	32,115
15 ppm sulfur and under	--	--	34,375	32	2,724	1,222	-2,025	--	1	40,378	31,358
Greater than 15 ppm to 500 ppm sulfur	--	--	-66	--	110	--	-85	--	20	109	410
Greater than 500 ppm sulfur	--	--	-49	3	63	--	-23	--	71	-31	347
Residual Fuel Oil <sup>6</sup>	--	--	1,380	221	-944	--	21	--	258	378	1,328
Less than 0.31 percent sulfur	--	--	67	--	-30	--	-21	--	NA	NA	103
0.31 to 1.00 percent sulfur	--	--	177	151	--	--	-32	--	NA	NA	184
Greater than 1.00 percent sulfur	--	--	1,136	70	-914	--	74	--	NA	NA	1,041
Petrochemical Feedstocks	--	--	994	128	-131	--	-162	--	--	1,153	601
Naphtha for Petro. Feed. Use	--	--	697	60	-94	--	-159	--	--	822	449
Other Oils for Petro. Feed. Use	--	--	297	68	-37	--	-3	--	--	331	152
Special Naphthas	--	--	55	45	9	--	-6	--	--	115	122
Lubricants	--	--	246	174	196	--	26	--	178	412	565
Waxes	--	--	42	3	--	--	9	--	25	11	56
Petroleum Coke	--	--	5,820	11	-693	--	-136	--	57	5,217	697
Marketable	--	--	4,319	11	-693	--	-136	--	57	3,716	697
Catalyst	--	--	1,501	--	--	--	--	--	--	1,501	--
Asphalt and Road Oil	--	--	4,802	222	-815	--	-1,281	--	158	5,332	13,159
Still Gas	--	--	4,386	--	--	--	--	--	--	4,386	--
Miscellaneous Products	--	--	495	--	10	--	-4	--	1	508	90
<b>Total</b>	<b>75,682</b>	<b>29,724</b>	<b>148,821</b>	<b>76,763</b>	<b>-19,443</b>	<b>-4,025</b>	<b>-8,840</b>	<b>141,947</b>	<b>18,454</b>	<b>155,961</b>	<b>329,643</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other

**Table 10. PAD District 2 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	Ending Stocks
<b>Crude Oil</b>	<b>299,537</b>	--	--	<b>470,663</b>	<b>-24,456</b>	<b>-30,265</b>	<b>-2,462</b>	<b>681,335</b>	<b>36,606</b>	<b>0</b>	<b>148,817</b>
<b>Hydrocarbon Gas Liquids</b>	<b>144,596</b>	<b>-3,560</b>	<b>23,769</b>	<b>15,538</b>	<b>-56,140</b>	--	<b>859</b>	<b>17,158</b>	<b>37,048</b>	<b>69,138</b>	<b>48,786</b>
Natural Gas Liquids	144,596	-3,560	15,134	12,939	-51,407	--	870	17,158	37,048	62,626	--
Ethane	47,026	--	--	--	-21,068	--	83	--	9,913	15,962	--
Propane	54,341	--	13,509	10,850	-51,355	--	-3,494	--	1,519	29,320	--
Normal Butane	17,645	--	13	892	-7,811	--	4,372	4,792	1,984	2,024	--
Isobutane	9,293	--	-816	1,170	57	--	130	8,605	1	968	--
Natural Gasoline	16,291	-3,560	--	27	28,770	--	-221	3,761	23,636	14,352	--
Refinery Olefins	--	--	8,635	2,599	-4,733	--	-11	--	--	6,512	--
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	8,111	2,212	-4,733	--	-98	--	--	5,688	--
Butylene	--	--	524	387	--	--	87	--	--	824	--
Isobutylene	--	--	--	--	--	--	0	--	--	0	--
<b>Other Liquids</b>	--	<b>181,439</b>	--	<b>1,891</b>	<b>-71,351</b>	<b>-7,273</b>	<b>3,162</b>	<b>98,989</b>	<b>7,798</b>	<b>-5,242</b>	<b>69,699</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	181,446	--	278	-121,524	-1,776	231	54,221	3,972	0	8,031
Hydrogen	--	--	--	--	--	7,011	--	7,011	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	8	--	--	--	2	6	--	4	0	6
Renewable Fuels (including Fuel Ethanol)	--	181,438	--	246	-121,524	-8,953	221	47,018	3,968	0	8,004
Fuel Ethanol	--	170,023	--	--	-118,791	-3,527	-11	44,370	3,346	0	7,083
Renewable Fuels Except Fuel Ethanol	--	11,415	--	246	-2,733	-5,426	232	2,648	622	0	921
Other Hydrocarbons	--	--	--	32	--	164	4	192	--	0	21
Unfinished Oils	--	--	--	--	-969	--	1,024	-183	3,432	-5,242	14,161
Motor Gasoline Blend.Comp. (MGBC)	--	-7	--	1,613	51,142	-5,496	1,907	44,951	394	0	47,507
Reformulated	--	-1	--	258	11,107	-6,289	110	4,965	0	0	6,657
Conventional	--	-6	--	1,355	40,035	792	1,797	39,986	393	0	40,850
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>546</b>	<b>815,276</b>	<b>4,536</b>	<b>11,759</b>	<b>14,491</b>	<b>908</b>	--	<b>8,085</b>	<b>837,615</b>	<b>62,341</b>
Finished Motor Gasoline	--	546	463,883	--	2,656	9,024	-1,175	--	728	476,555	6,072
Reformulated	--	--	65,696	--	--	7,415	--	--	--	73,111	--
Conventional	--	546	398,187	--	2,656	1,609	-1,175	--	728	403,444	6,072
Finished Aviation Gasoline	--	--	286	8	331	--	-24	--	--	649	187
Kerosene-Type Jet Fuel	--	--	45,438	5	4,626	--	407	--	1,381	48,281	7,236
Kerosene	--	--	210	--	--	--	-83	--	11	282	113
Distillate Fuel Oil	--	--	198,731	175	15,927	5,467	-447	--	1,476	219,272	32,115
15 ppm sulfur and under	--	--	199,371	160	15,104	5,467	70	--	8	220,024	31,358
Greater than 15 ppm to 500 ppm sulfur	--	--	363	--	514	--	-40	--	903	14	410
Greater than 500 ppm sulfur	--	--	-1,003	15	309	--	-477	--	564	-766	347
Residual Fuel Oil <sup>6</sup>	--	--	9,219	564	-4,880	--	-161	--	1,642	3,422	1,328
Less than 0.31 percent sulfur	--	--	670	--	-212	--	71	--	NA	NA	103
0.31 to 1.00 percent sulfur	--	--	1,455	284	-95	--	-103	--	NA	NA	184
Greater than 1.00 percent sulfur	--	--	7,094	280	-4,573	--	-129	--	NA	NA	1,041
Petrochemical Feedstocks	--	--	5,990	814	-658	--	68	--	--	6,078	601
Naphtha for Petro. Feed. Use	--	--	4,331	425	-538	--	58	--	--	4,160	449
Other Oils for Petro. Feed. Use	--	--	1,659	389	-120	--	10	--	--	1,918	152
Special Naphthas	--	--	309	261	107	--	-39	--	--	716	122
Lubricants	--	--	1,448	1,220	1,364	--	-175	--	1,052	3,155	565
Waxes	--	--	210	30	--	--	12	--	146	82	56
Petroleum Coke	--	--	34,679	149	-4,456	--	-381	--	1,134	29,619	697
Marketable	--	--	26,044	149	-4,456	--	-381	--	1,134	20,984	697
Catalyst	--	--	8,635	--	--	--	--	--	--	8,635	--
Asphalt and Road Oil	--	--	26,759	1,310	-3,359	--	2,939	--	512	21,258	13,159
Still Gas	--	--	25,190	--	--	--	--	--	--	25,190	--
Miscellaneous Products	--	--	2,924	--	102	--	-33	--	2	3,057	90
<b>Total</b>	<b>444,133</b>	<b>178,425</b>	<b>839,045</b>	<b>492,628</b>	<b>-140,187</b>	<b>-23,047</b>	<b>2,467</b>	<b>797,482</b>	<b>89,537</b>	<b>901,512</b>	<b>329,643</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other

**Table 11. PAD District 2 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,677</b>	--	--	<b>2,447</b>	<b>-113</b>	<b>-173</b>	<b>-299</b>	<b>3,910</b>	<b>227</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>846</b>	<b>-20</b>	<b>201</b>	<b>65</b>	<b>-298</b>	--	<b>222</b>	<b>76</b>	<b>287</b>	<b>211</b>
Natural Gas Liquids	846	-20	154	50	-274	--	216	76	287	177
Ethane	277	--	--	--	-127	--	-6	--	62	95
Propane	312	--	77	37	-234	--	108	--	15	69
Normal Butane	98	--	4,561	7	-50	--	110	3	23	1
Isobutane	57	--	-5	6	-5	--	-1	48	0	6
Natural Gasoline	102	-20	--	0	141	--	6	25	187	6
Refinery Olefins	--	--	47	15	-24	--	5	--	--	33
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	42	13	-24	--	2	--	--	30
Butylene	--	--	5	2	--	--	3	--	--	4
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>1,007</b>	--	<b>18</b>	<b>-322</b>	<b>-21</b>	<b>-77</b>	<b>746</b>	<b>73</b>	<b>-59</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,007	--	2	-704	5	-34	320	24	0
Hydrogen	--	--	--	--	--	38	--	38	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,007	--	2	-704	-34	-34	281	24	0
Fuel Ethanol	--	933	--	--	-690	7	-32	263	19	0
Renewable Fuels Except Fuel Ethanol	--	73	--	2	-14	-41	-2	18	5	0
Other Hydrocarbons	--	--	--	0	--	1	0	1	--	0
Unfinished Oils	--	--	--	--	2	--	7	5	49	-59
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	16	381	-26	-50	420	0	0
Reformulated	--	--	--	9	113	-79	-2	45	--	0
Conventional	--	0	--	8	267	53	-48	375	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	<b>4</b>	<b>4,760</b>	<b>28</b>	<b>85</b>	<b>60</b>	<b>-140</b>	--	<b>28</b>	<b>5,048</b>
Finished Motor Gasoline	--	4	2,747	--	34	19	-7	--	1	2,810
Reformulated	--	--	380	--	--	93	--	--	--	473
Conventional	--	4	2,367	--	34	-74	-7	--	1	2,337
Finished Aviation Gasoline	--	--	1	0	1	--	-1	--	--	3
Kerosene-Type Jet Fuel	--	--	263	--	33	--	-8	--	1	303
Kerosene	--	--	-1	--	--	--	-1	--	0	0
Distillate Fuel Oil	--	--	1,142	1	97	41	-71	--	3	1,349
15 ppm sulfur and under	--	--	1,146	1	91	41	-68	--	0	1,346
Greater than 15 ppm to 500 ppm sulfur	--	--	-2	--	4	--	-3	--	1	4
Greater than 500 ppm sulfur	--	--	-2	0	2	--	-1	--	2	-1
Residual Fuel Oil <sup>6</sup>	--	--	46	7	-31	--	1	--	9	13
Less than 0.31 percent sulfur	--	--	2	--	-1	--	-1	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	6	5	--	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	38	2	-30	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	33	4	-4	--	-5	--	--	38
Naphtha for Petro. Feed. Use	--	--	23	2	-3	--	-5	--	--	27
Other Oils for Petro. Feed. Use	--	--	10	2	-1	--	0	--	--	11
Special Naphthas	--	--	2	2	0	--	0	--	--	4
Lubricants	--	--	8	6	7	--	1	--	6	14
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	194	0	-23	--	-5	--	2	174
Marketable	--	--	144	0	-23	--	-5	--	2	124
Catalyst	--	--	50	--	--	--	--	--	--	50
Asphalt and Road Oil	--	--	160	7	-27	--	-43	--	5	178
Still Gas	--	--	146	--	--	--	--	--	--	146
Miscellaneous Products	--	--	17	--	0	--	0	--	0	17
<b>Total</b>	<b>2,523</b>	<b>991</b>	<b>4,961</b>	<b>2,559</b>	<b>-648</b>	<b>-134</b>	<b>-295</b>	<b>4,732</b>	<b>615</b>	<b>5,199</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 12. PAD District 2 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,655</b>	<b>--</b>	<b>--</b>	<b>2,600</b>	<b>-135</b>	<b>-167</b>	<b>-14</b>	<b>3,764</b>	<b>202</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>799</b>	<b>-20</b>	<b>131</b>	<b>86</b>	<b>-310</b>	<b>--</b>	<b>5</b>	<b>95</b>	<b>205</b>	<b>382</b>
Natural Gas Liquids	799	-20	84	71	-284	--	5	95	205	346
Ethane	260	--	--	--	-116	--	0	--	55	88
Propane	300	--	75	60	-284	--	-19	--	8	162
Normal Butane	97	--	13	5	-43	--	24	26	11	11
Isobutane	51	--	-5	6	0	--	1	48	0	5
Natural Gasoline	90	-20	--	0	159	--	-1	21	131	79
Refinery Olefins	--	--	48	14	-26	--	0	--	--	36
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	45	12	-26	--	-1	--	--	31
Butylene	--	--	3	2	--	--	0	--	--	5
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	<b>--</b>	<b>1,002</b>	<b>--</b>	<b>10</b>	<b>-394</b>	<b>-40</b>	<b>17</b>	<b>547</b>	<b>43</b>	<b>-29</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	1,002	--	2	-671	-10	1	300	22	0
Hydrogen	--	--	--	--	--	39	--	39	--	0
Oxygenates (excluding Fuel Ethanol)	--	0	--	--	--	0	0	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	1,002	--	1	-671	-49	1	260	22	0
Fuel Ethanol	--	939	--	--	-656	-19	0	245	18	0
Renewable Fuels Except Fuel Ethanol	--	63	--	1	-15	-30	1	15	3	0
Other Hydrocarbons	--	--	--	0	--	1	0	1	--	0
Unfinished Oils	--	--	--	--	-5	--	6	-1	19	-29
Motor Gasoline Blend.Comp. (MGBC)	--	0	--	9	283	-30	11	248	2	0
Reformulated	--	0	--	1	61	-35	1	27	0	0
Conventional	--	0	--	7	221	4	10	221	2	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	<b>--</b>	<b>3</b>	<b>4,504</b>	<b>25</b>	<b>65</b>	<b>80</b>	<b>5</b>	<b>--</b>	<b>45</b>	<b>4,628</b>
Finished Motor Gasoline	--	3	2,563	--	15	50	-6	--	4	2,633
Reformulated	--	--	363	--	--	41	--	--	--	404
Conventional	--	3	2,200	--	15	9	-6	--	4	2,229
Finished Aviation Gasoline	--	--	2	0	2	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	251	0	26	--	2	--	8	267
Kerosene	--	--	1	--	--	--	0	--	0	2
Distillate Fuel Oil	--	--	1,098	1	88	30	-2	--	8	1,211
15 ppm sulfur and under	--	--	1,101	1	83	30	0	--	0	1,216
Greater than 15 ppm to 500 ppm sulfur	--	--	2	--	3	--	0	--	5	0
Greater than 500 ppm sulfur	--	--	-6	0	2	--	-3	--	3	-4
Residual Fuel Oil <sup>6</sup>	--	--	51	3	-27	--	-1	--	9	19
Less than 0.31 percent sulfur	--	--	4	--	-1	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	8	2	-1	--	-1	--	NA	NA
Greater than 1.00 percent sulfur	--	--	39	2	-25	--	-1	--	NA	NA
Petrochemical Feedstocks	--	--	33	4	-4	--	0	--	--	34
Naphtha for Petro. Feed. Use	--	--	24	2	-3	--	0	--	--	23
Other Oils for Petro. Feed. Use	--	--	9	2	-1	--	0	--	--	11
Special Naphthas	--	--	2	1	1	--	0	--	--	4
Lubricants	--	--	8	7	8	--	-1	--	6	17
Waxes	--	--	1	0	--	--	0	--	1	0
Petroleum Coke	--	--	192	1	-25	--	-2	--	6	164
Marketable	--	--	144	1	-25	--	-2	--	6	116
Catalyst	--	--	48	--	--	--	--	--	--	48
Asphalt and Road Oil	--	--	148	7	-19	--	16	--	3	117
Still Gas	--	--	139	--	--	--	--	--	--	139
Miscellaneous Products	--	--	16	--	1	--	0	--	0	17
<b>Total</b>	<b>2,454</b>	<b>986</b>	<b>4,636</b>	<b>2,722</b>	<b>-775</b>	<b>-127</b>	<b>14</b>	<b>4,406</b>	<b>495</b>	<b>4,981</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 13. PAD District 3 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil<sup>6</sup></b>	<b>172,303</b>	--	--	<b>89,224</b>	<b>10,077</b>	<b>11,123</b>	<b>-8,527</b>	<b>275,447</b>	<b>15,807</b>	<b>0</b>	<b>938,174</b>
<b>Hydrocarbon Gas Liquids</b>	<b>60,606</b>	<b>-18</b>	<b>16,338</b>	<b>402</b>	<b>21,145</b>	--	<b>10,486</b>	<b>8,944</b>	<b>23,414</b>	<b>55,629</b>	<b>125,976</b>
Natural Gas Liquids	60,606	-18	9,967	199	20,843	--	10,578	8,944	23,414	48,661	121,074
Ethane	25,077	--	151	--	11,302	--	-17	--	683	35,864	44,984
Propane	18,415	--	5,424	--	8,623	--	6,372	--	19,531	6,559	32,188
Normal Butane	2,364	--	4,561	--	3,012	--	3,737	1,058	3,100	2,042	26,982
Isobutane	7,738	--	-169	30	716	--	-219	3,864	77	4,593	6,088
Natural Gasoline	7,012	-18	--	169	-2,810	--	705	4,022	23	-397	10,832
Refinery Olefins	--	--	6,371	203	302	--	-92	--	--	6,968	4,902
Ethylene	--	--	8	--	--	--	0	--	--	8	0
Propylene	--	--	6,574	--	302	--	8	--	--	6,868	3,377
Butylene	--	--	-179	203	--	--	-100	--	--	124	1,525
Isobutylene	--	--	-32	--	--	--	0	--	--	-32	0
<b>Other Liquids</b>	--	<b>3,578</b>	--	<b>17,837</b>	<b>-59,035</b>	<b>-1,675</b>	<b>-1,797</b>	<b>-51,800</b>	<b>10,551</b>	<b>3,750</b>	<b>125,431</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	3,578	--	855	5,959	3,187	306	9,241	4,031	0	7,538
Hydrogen	--	--	--	--	--	4,248	--	4,248	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	2,128	--	452	--	-32	135	--	2,413	0	1,673
Renewable Fuels (including Fuel Ethanol)	--	1,450	--	387	5,959	-1,013	171	4,993	1,618	0	5,865
Fuel Ethanol	--	805	--	--	5,978	-267	406	4,506	1,604	0	4,178
Renewable Fuels Except Fuel Ethanol	--	645	--	387	-20	-746	-235	487	14	0	1,687
Other Hydrocarbons	--	--	--	16	--	-16	--	--	--	0	--
Unfinished Oils	--	--	--	15,458	-10	--	-2,662	9,226	5,139	3,745	44,138
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,524	-64,984	-4,862	566	-70,269	1,381	0	73,748
Reformulated	--	--	--	--	-16,566	2,558	755	-14,771	8	0	13,200
Conventional	--	--	--	1,524	-48,418	-7,420	-189	-55,498	1,373	0	60,548
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-7	2	--	5	7
<b>Finished Petroleum Products</b>	--	--	<b>235,748</b>	<b>4,263</b>	<b>-47,822</b>	<b>6,083</b>	<b>-2,015</b>	--	<b>92,801</b>	<b>107,487</b>	<b>114,411</b>
Finished Motor Gasoline	--	--	65,259	--	-5,768	5,129	599	--	20,161	43,860	8,668
Reformulated	--	--	14,119	--	--	-2,359	--	--	--	11,760	--
Conventional	--	--	51,140	--	-5,768	7,488	599	--	20,161	32,100	8,668
Finished Aviation Gasoline	--	--	212	--	-998	--	-80	--	--	-706	274
Kerosene-Type Jet Fuel	--	--	26,812	--	-16,203	--	245	--	5,803	4,561	15,316
Kerosene	--	--	-31	--	--	--	-41	--	53	-43	100
Distillate Fuel Oil	--	--	91,037	--	-25,385	954	1,686	--	41,716	23,204	48,473
15 ppm sulfur and under	--	--	82,842	--	-23,772	954	1,519	--	36,032	22,474	42,769
Greater than 15 ppm to 500 ppm sulfur	--	--	2,778	--	-309	--	32	--	2,692	-255	1,617
Greater than 500 ppm sulfur	--	--	5,417	--	-1,304	--	135	--	2,993	985	4,087
Residual Fuel Oil <sup>7</sup>	--	--	6,032	2,013	944	--	-4,526	--	7,528	5,987	20,430
Less than 0.31 percent sulfur	--	--	1,112	252	30	--	-379	--	NA	NA	1,161
0.31 to 1.00 percent sulfur	--	--	266	167	--	--	-1,711	--	NA	NA	4,628
Greater than 1.00 percent sulfur	--	--	4,654	1,594	914	--	-2,436	--	NA	NA	14,641
Petrochemical Feedstocks	--	--	9,026	1,144	140	--	-143	--	--	10,453	2,458
Naphtha for Petro. Feed. Use	--	--	5,438	733	94	--	-159	--	--	6,424	1,495
Other Oils for Petro. Feed. Use	--	--	3,588	411	46	--	16	--	--	4,029	963
Special Naphthas	--	--	1,129	385	-9	--	41	--	--	1,464	803
Lubricants	--	--	4,415	581	-629	--	-1	--	2,979	1,389	6,783
Waxes	--	--	120	7	-9	--	16	--	30	72	267
Petroleum Coke	--	--	16,196	133	472	--	506	--	14,409	1,886	4,847
Marketable	--	--	12,501	133	472	--	506	--	14,409	-1,809	4,847
Catalyst	--	--	3,695	--	--	--	--	--	--	3,695	--
Asphalt and Road Oil	--	--	2,493	--	-367	--	-273	--	111	2,289	5,577
Still Gas	--	--	11,256	--	--	--	--	--	--	11,256	--
Miscellaneous Products	--	--	1,792	--	-10	--	-44	--	11	1,815	415
<b>Total</b>	<b>232,909</b>	<b>3,560</b>	<b>252,086</b>	<b>111,726</b>	<b>-75,635</b>	<b>15,531</b>	<b>-1,853</b>	<b>232,591</b>	<b>142,573</b>	<b>166,866</b>	<b>1,303,992</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy

**Table 14. PAD District 3 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil<sup>6</sup></b>	<b>1,034,612</b>	--	--	<b>573,574</b>	<b>51,094</b>	<b>44,145</b>	<b>-2,691</b>	<b>1,584,986</b>	<b>121,130</b>	<b>0</b>	<b>938,174</b>
<b>Hydrocarbon Gas Liquids</b>	<b>356,727</b>	<b>-103</b>	<b>80,706</b>	<b>2,735</b>	<b>114,750</b>	--	<b>-10,735</b>	<b>54,405</b>	<b>180,537</b>	<b>330,608</b>	<b>125,976</b>
Natural Gas Liquids	356,727	-103	43,743	2,102	111,648	--	-7,302	54,405	180,537	286,477	--
Ethane	149,398	--	887	--	62,372	--	854	--	11,214	200,589	--
Propane	109,291	--	29,441	14	54,311	--	-14,660	--	150,299	57,418	--
Normal Butane	17,146	--	13,255	--	12,868	--	10,137	14,003	17,903	1,226	--
Isobutane	42,369	--	160	30	2,827	--	753	20,709	877	23,047	--
Natural Gasoline	38,523	-103	--	2,058	-20,730	--	-4,386	19,693	244	4,197	--
Refinery Olefins	--	--	36,963	633	3,102	--	-3,433	--	--	44,131	--
Ethylene	--	--	43	--	--	--	0	--	--	43	--
Propylene	--	--	39,127	--	3,102	--	-2,795	--	--	45,024	--
Butylene	--	--	-2,100	633	--	--	-638	--	--	-829	--
Isobutylene	--	--	-107	--	--	--	0	--	--	-107	--
<b>Other Liquids</b>	--	<b>20,378</b>	--	<b>89,051</b>	<b>-329,208</b>	<b>1,813</b>	<b>5,578</b>	<b>-308,557</b>	<b>65,535</b>	<b>19,477</b>	<b>125,431</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	20,378	--	3,378	34,693	19,924	464	53,877	24,032	0	7,538
Hydrogen	--	--	--	--	--	24,269	--	24,269	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	12,432	--	2,350	--	-2,045	196	318	12,223	0	1,673
Renewable Fuels (including Fuel Ethanol)	--	7,946	--	949	34,693	-2,221	268	29,290	11,809	0	5,865
Fuel Ethanol	--	4,782	--	--	34,520	-316	853	26,511	11,622	0	4,178
Renewable Fuels Except Fuel Ethanol	--	3,164	--	949	173	-1,905	-585	2,779	187	0	1,687
Other Hydrocarbons	--	--	--	79	--	-79	--	--	--	0	--
Unfinished Oils	--	--	--	76,804	1,203	--	2,566	25,742	30,157	19,542	44,138
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	8,869	-365,104	-18,112	2,550	-388,243	11,346	0	73,748
Reformulated	--	--	--	--	-74,685	20,803	1,545	-55,464	37	0	13,200
Conventional	--	--	--	8,869	-290,419	-38,915	1,005	-332,779	11,309	0	60,548
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	-2	67	--	-65	7
<b>Finished Petroleum Products</b>	--	--	<b>1,361,487</b>	<b>29,476</b>	<b>-301,948</b>	<b>21,436</b>	<b>-9,381</b>	--	<b>491,488</b>	<b>628,344</b>	<b>114,411</b>
Finished Motor Gasoline	--	--	390,793	--	-48,596	18,428	-2,806	--	111,439	251,992	8,668
Reformulated	--	--	83,947	--	--	-22,454	--	--	--	61,493	--
Conventional	--	--	306,846	--	-48,596	40,881	-2,806	--	111,439	190,498	8,668
Finished Aviation Gasoline	--	--	1,403	--	-6,078	--	-143	--	--	-4,532	274
Kerosene-Type Jet Fuel	--	--	158,326	--	-92,359	--	250	--	27,628	38,089	15,316
Kerosene	--	--	140	--	--	--	-146	--	420	-134	100
Distillate Fuel Oil	--	--	507,450	1,249	-158,310	3,009	-319	--	208,085	145,632	48,473
15 ppm sulfur and under	--	--	461,777	--	-146,463	3,009	386	--	179,890	138,047	42,769
Greater than 15 ppm to 500 ppm sulfur	--	--	17,676	--	-2,037	--	120	--	17,957	-2,438	1,617
Greater than 500 ppm sulfur	--	--	27,997	1,249	-9,810	--	-825	--	10,238	10,023	4,087
Residual Fuel Oil <sup>7</sup>	--	--	38,531	13,064	4,871	--	-3,926	--	41,696	18,696	20,430
Less than 0.31 percent sulfur	--	--	6,330	1,283	315	--	-1,110	--	NA	NA	1,161
0.31 to 1.00 percent sulfur	--	--	2,199	1,052	112	--	-661	--	NA	NA	4,628
Greater than 1.00 percent sulfur	--	--	30,002	10,729	4,444	--	-2,155	--	NA	NA	14,641
Petrochemical Feedstocks	--	--	52,291	7,352	789	--	-89	--	--	60,521	2,458
Naphtha for Petro. Feed. Use	--	--	32,910	5,123	538	--	35	--	--	38,536	1,495
Other Oils for Petro. Feed. Use	--	--	19,381	2,229	251	--	-124	--	--	21,985	963
Special Naphthas	--	--	6,033	2,126	-107	--	-203	--	--	8,255	803
Lubricants	--	--	23,770	4,699	-4,308	--	-3,046	--	17,219	9,988	6,783
Waxes	--	--	695	158	-9	--	17	--	131	696	267
Petroleum Coke	--	--	92,017	828	3,535	--	299	--	83,285	12,796	4,847
Marketable	--	--	71,158	828	3,535	--	299	--	83,285	-8,063	4,847
Catalyst	--	--	20,859	--	--	--	--	--	--	20,859	--
Asphalt and Road Oil	--	--	14,269	--	-1,274	--	740	--	1,421	10,834	5,577
Still Gas	--	--	65,119	--	--	--	--	--	--	65,119	--
Miscellaneous Products	--	--	10,650	--	-102	--	-9	--	165	10,392	415
<b>Total</b>	<b>1,391,339</b>	<b>20,275</b>	<b>1,442,193</b>	<b>694,836</b>	<b>-465,313</b>	<b>67,394</b>	<b>-17,229</b>	<b>1,330,834</b>	<b>858,690</b>	<b>978,429</b>	<b>1,303,992</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy

**Table 15. PAD District 3 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	5,743	--	--	2,974	336	371	-284	9,182	527	0
<b>Hydrocarbon Gas Liquids</b>	2,020	-1	545	13	705	--	350	298	780	1,854
Natural Gas Liquids	2,020	-1	332	7	695	--	353	298	780	1,622
Ethane	836	--	5	--	377	--	-1	--	23	1,195
Propane	614	--	181	--	287	--	212	--	651	219
Normal Butane	79	--	152	--	100	--	125	35	103	68
Isobutane	258	--	-6	1	24	--	-7	129	3	153
Natural Gasoline	234	-1	--	6	-94	--	24	134	1	-13
Refinery Olefins	--	--	212	7	10	--	-3	--	--	232
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	219	--	10	--	0	--	--	229
Butylene	--	--	-6	7	--	--	-3	--	--	4
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b>	--	119	--	595	-1,968	-56	-60	-1,727	352	125
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	119	--	29	199	106	10	308	134	0
Hydrogen	--	--	--	--	--	142	--	142	--	0
Oxygenates (excluding Fuel Ethanol)	--	71	--	15	--	-1	5	--	80	0
Renewable Fuels (including Fuel Ethanol)	--	48	--	13	199	-34	6	166	54	0
Fuel Ethanol	--	27	--	--	199	-9	14	150	53	0
Renewable Fuels Except Fuel Ethanol	--	21	--	13	-1	-25	-8	16	0	0
Other Hydrocarbons	--	--	--	1	--	-1	--	--	--	0
Unfinished Oils	--	--	--	515	0	--	-89	308	171	125
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	51	-2,166	-162	19	-2,342	46	0
Reformulated	--	--	--	--	-552	85	25	-492	0	0
Conventional	--	--	--	51	-1,614	-247	-6	-1,850	46	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	7,858	142	-1,594	203	-67	--	3,093	3,583
Finished Motor Gasoline	--	--	2,175	--	-192	171	20	--	672	1,462
Reformulated	--	--	471	--	--	-79	--	--	--	392
Conventional	--	--	1,705	--	-192	250	20	--	672	1,070
Finished Aviation Gasoline	--	--	7	--	-33	--	-3	--	--	-24
Kerosene-Type Jet Fuel	--	--	894	--	-540	--	8	--	193	152
Kerosene	--	--	-1	--	--	--	-1	--	2	-1
Distillate Fuel Oil	--	--	3,035	--	-846	32	56	--	1,391	773
15 ppm sulfur and under	--	--	2,761	--	-792	32	51	--	1,201	749
Greater than 15 ppm to 500 ppm sulfur	--	--	93	--	-10	--	1	--	90	-8
Greater than 500 ppm sulfur	--	--	181	--	-43	--	5	--	100	33
Residual Fuel Oil <sup>7</sup>	--	--	201	67	31	--	-151	--	251	200
Less than 0.31 percent sulfur	--	--	37	8	1	--	-13	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	9	6	--	--	-57	--	NA	NA
Greater than 1.00 percent sulfur	--	--	155	53	30	--	-81	--	NA	NA
Petrochemical Feedstocks	--	--	301	38	5	--	-5	--	--	348
Naphtha for Petro. Feed. Use	--	--	181	24	3	--	-5	--	--	214
Other Oils for Petro. Feed. Use	--	--	120	14	2	--	1	--	--	134
Special Naphthas	--	--	38	13	0	--	1	--	--	49
Lubricants	--	--	147	19	-21	--	0	--	99	46
Waxes	--	--	4	0	0	--	1	--	1	2
Petroleum Coke	--	--	540	4	16	--	17	--	480	63
Marketable	--	--	417	4	16	--	17	--	480	-60
Catalyst	--	--	123	--	--	--	--	--	--	123
Asphalt and Road Oil	--	--	83	--	-12	--	-9	--	4	76
Still Gas	--	--	375	--	--	--	--	--	--	375
Miscellaneous Products	--	--	60	--	0	--	-1	--	0	60
<b>Total</b>	<b>7,764</b>	<b>119</b>	<b>8,403</b>	<b>3,724</b>	<b>-2,521</b>	<b>518</b>	<b>-62</b>	<b>7,753</b>	<b>4,752</b>	<b>5,562</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other sources.

**Table 16. PAD District 3 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil<sup>6</sup></b>	<b>5,716</b>	--	--	<b>3,169</b>	<b>282</b>	<b>244</b>	<b>-15</b>	<b>8,757</b>	<b>669</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,971</b>	<b>-1</b>	<b>446</b>	<b>15</b>	<b>634</b>	--	<b>-59</b>	<b>301</b>	<b>997</b>	<b>1,827</b>
Natural Gas Liquids	1,971	-1	242	12	617	--	-40	301	997	1,583
Ethane	825	--	5	--	345	--	5	--	62	1,108
Propane	604	--	163	0	300	--	-81	--	830	317
Normal Butane	95	--	531	--	71	--	56	77	99	7
Isobutane	234	--	1	0	16	--	4	114	5	127
Natural Gasoline	213	-1	--	11	-115	--	-24	109	1	23
Refinery Olefins	--	--	204	3	17	--	-19	--	--	244
Ethylene	--	--	0	--	--	--	0	--	--	0
Propylene	--	--	216	--	17	--	-15	--	--	249
Butylene	--	--	-12	3	--	--	-4	--	--	-5
Isobutylene	--	--	-1	--	--	--	0	--	--	-1
<b>Other Liquids</b>	--	<b>113</b>	--	<b>492</b>	<b>-1,819</b>	<b>10</b>	<b>31</b>	<b>-1,705</b>	<b>362</b>	<b>108</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	113	--	19	192	110	3	298	133	0
Hydrogen	--	--	--	--	--	134	--	134	--	0
Oxygenates (excluding Fuel Ethanol)	--	69	--	13	--	-11	1	2	68	0
Renewable Fuels (including Fuel Ethanol)	--	44	--	5	192	-12	1	162	65	0
Fuel Ethanol	--	26	--	--	191	-2	5	146	64	0
Renewable Fuels Except Fuel Ethanol	--	17	--	5	1	-11	-3	15	1	0
Other Hydrocarbons	--	--	--	0	--	0	--	--	--	0
Unfinished Oils	--	--	--	424	7	--	14	142	167	108
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	49	-2,017	-100	14	-2,145	63	0
Reformulated	--	--	--	--	-413	115	9	-306	0	0
Conventional	--	--	--	49	-1,605	-215	6	-1,839	62	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	0	0	--	0
<b>Finished Petroleum Products</b>	--	--	<b>7,522</b>	<b>163</b>	<b>-1,668</b>	<b>118</b>	<b>-52</b>	--	<b>2,715</b>	<b>3,472</b>
Finished Motor Gasoline	--	--	2,159	--	-268	102	-16	--	616	1,392
Reformulated	--	--	464	--	--	-124	--	--	--	340
Conventional	--	--	1,695	--	-268	226	-16	--	616	1,052
Finished Aviation Gasoline	--	--	8	--	-34	--	-1	--	--	-25
Kerosene-Type Jet Fuel	--	--	875	--	-510	--	1	--	153	210
Kerosene	--	--	1	--	--	--	-1	--	2	-1
Distillate Fuel Oil	--	--	2,804	7	-875	17	-2	--	1,150	805
15 ppm sulfur and under	--	--	2,551	--	-809	17	2	--	994	763
Greater than 15 ppm to 500 ppm sulfur	--	--	98	--	-11	--	1	--	99	-13
Greater than 500 ppm sulfur	--	--	155	7	-54	--	-5	--	57	55
Residual Fuel Oil <sup>7</sup>	--	--	213	72	27	--	-22	--	230	103
Less than 0.31 percent sulfur	--	--	35	7	2	--	-6	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	12	6	1	--	-4	--	NA	NA
Greater than 1.00 percent sulfur	--	--	166	59	25	--	-12	--	NA	NA
Petrochemical Feedstocks	--	--	289	41	4	--	0	--	--	334
Naphtha for Petro. Feed. Use	--	--	182	28	3	--	0	--	--	213
Other Oils for Petro. Feed. Use	--	--	107	12	1	--	-1	--	--	121
Special Naphthas	--	--	33	12	-1	--	-1	--	--	46
Lubricants	--	--	131	26	-24	--	-17	--	95	55
Waxes	--	--	4	1	0	--	0	--	1	4
Petroleum Coke	--	--	508	5	20	--	2	--	460	71
Marketable	--	--	393	5	20	--	2	--	460	-45
Catalyst	--	--	115	--	--	--	--	--	--	115
Asphalt and Road Oil	--	--	79	--	-7	--	4	--	8	60
Still Gas	--	--	360	--	--	--	--	--	--	360
Miscellaneous Products	--	--	59	--	-1	--	0	--	1	57
<b>Total</b>	<b>7,687</b>	<b>112</b>	<b>7,968</b>	<b>3,839</b>	<b>-2,571</b>	<b>372</b>	<b>-95</b>	<b>7,353</b>	<b>4,744</b>	<b>5,406</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Includes value for the Strategic Petroleum Reserve. See Table 25 for the breakout of Commercial Crude Oil.

<sup>7</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other



**Table 17. PAD District 4 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>20,232</b>	--	--	<b>9,571</b>	<b>-12,705</b>	<b>381</b>	<b>-970</b>	<b>18,335</b>	<b>115</b>	<b>0</b>	<b>22,686</b>
<b>Hydrocarbon Gas Liquids</b>	<b>11,778</b>	<b>-9</b>	<b>632</b>	<b>277</b>	<b>-10,683</b>	--	<b>327</b>	<b>508</b>	<b>455</b>	<b>705</b>	<b>3,654</b>
Natural Gas Liquids	11,778	-9	573	277	-10,683	--	314	508	455	659	3,610
Ethane	3,519	--	--	--	-3,349	--	-2	--	--	172	447
Propane	4,139	--	304	216	-3,745	--	148	--	0	766	1,206
Normal Butane	1,610	--	255	9	-1,362	--	183	109	38	182	1,372
Isobutane	736	--	14	52	-805	--	-18	223	--	-208	246
Natural Gasoline	1,774	-9	--	--	-1,422	--	3	176	416	-252	339
Refinery Olefins	--	--	59	--	--	--	13	--	--	46	44
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	9	--	--	--	-1	--	--	10	2
Butylene	--	--	50	--	--	--	14	--	--	36	42
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>429</b>	--	<b>79</b>	<b>556</b>	<b>-939</b>	<b>-899</b>	<b>911</b>	<b>10</b>	<b>103</b>	<b>8,807</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	429	--	1	465	313	9	1,194	4	0	346
Hydrogen	--	--	--	--	--	191	--	191	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	429	--	1	465	122	9	1,003	4	0	346
Fuel Ethanol	--	429	--	--	412	100	7	934	--	0	330
Renewable Fuels Except Fuel Ethanol	--	--	--	1	53	22	2	69	4	0	16
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-408	300	5	103	2,982
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	78	91	-1,252	-500	-583	0	0	5,479
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	91	-1,252	-500	-583	0	0	5,479
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>19,961</b>	<b>52</b>	<b>-911</b>	<b>1,130</b>	<b>-1,180</b>	--	<b>46</b>	<b>21,366</b>	<b>8,100</b>
Finished Motor Gasoline	--	--	9,857	--	-620	1,152	-155	--	1	10,542	1,542
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	9,857	--	-620	1,152	-155	--	1	10,542	1,542
Finished Aviation Gasoline	--	--	6	2	--	--	5	--	--	3	9
Kerosene-Type Jet Fuel	--	--	1,094	1	656	--	-162	--	--	1,913	689
Kerosene	--	--	--	--	--	--	0	--	--	0	1
Distillate Fuel Oil	--	--	5,955	30	-215	-22	-377	--	--	6,125	3,647
15 ppm sulfur and under	--	--	5,847	30	-152	-22	-402	--	--	6,105	3,318
Greater than 15 ppm to 500 ppm sulfur	--	--	-1	--	--	--	-35	--	--	34	212
Greater than 500 ppm sulfur	--	--	109	--	-63	--	60	--	--	-14	117
Residual Fuel Oil <sup>6</sup>	--	--	351	--	--	--	16	--	17	318	239
Less than 0.31 percent sulfur	--	--	208	--	--	--	0	--	NA	NA	33
0.31 to 1.00 percent sulfur	--	--	35	--	--	--	7	--	NA	NA	25
Greater than 1.00 percent sulfur	--	--	108	--	--	--	9	--	NA	NA	181
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	9	-9	--
Waxes	--	--	--	--	--	--	--	--	0	0	--
Petroleum Coke	--	--	683	--	-198	--	-28	--	--	513	86
Marketable	--	--	423	--	-198	--	-28	--	--	253	86
Catalyst	--	--	260	--	--	--	--	--	--	260	--
Asphalt and Road Oil	--	--	1,176	17	-534	--	-472	--	19	1,112	1,870
Still Gas	--	--	711	--	--	--	--	--	--	711	--
Miscellaneous Products	--	--	128	2	--	--	-7	--	0	137	17
<b>Total</b>	<b>32,010</b>	<b>420</b>	<b>20,593</b>	<b>9,979</b>	<b>-23,743</b>	<b>572</b>	<b>-2,722</b>	<b>19,754</b>	<b>626</b>	<b>22,174</b>	<b>43,247</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other

**Table 18. PAD District 4 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>117,921</b>	--	--	<b>63,111</b>	<b>-73,310</b>	<b>3,352</b>	<b>-634</b>	<b>111,204</b>	<b>504</b>	<b>0</b>	<b>22,686</b>
<b>Hydrocarbon Gas Liquids</b>	<b>67,991</b>	<b>-56</b>	<b>2,658</b>	<b>2,053</b>	<b>-60,253</b>	--	<b>309</b>	<b>3,401</b>	<b>2,274</b>	<b>6,409</b>	<b>3,654</b>
Natural Gas Liquids	67,991	-56	2,391	2,053	-60,253	--	304	3,401	2,274	6,147	--
Ethane	18,962	--	--	--	-17,565	--	11	--	--	1,386	--
Propane	24,687	--	1,745	1,844	-21,833	--	-147	--	1	6,589	--
Normal Butane	9,530	--	531	55	-8,206	--	417	1,181	155	157	--
Isobutane	4,486	--	115	154	-4,669	--	-12	1,291	--	-1,193	--
Natural Gasoline	10,326	-56	--	--	-7,980	--	35	929	2,118	-792	--
Refinery Olefins	--	--	267	--	--	--	5	--	--	262	--
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	83	--	--	--	2	--	--	81	--
Butylene	--	--	184	--	--	--	3	--	--	181	--
Isobutylene	--	--	--	--	--	--	0	--	--	0	--
<b>Other Liquids</b>	--	<b>2,563</b>	--	<b>209</b>	<b>-125</b>	<b>-2,014</b>	<b>-61</b>	<b>269</b>	<b>96</b>	<b>330</b>	<b>8,807</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	2,563	--	26	2,023	2,084	-21	6,695	22	0	346
Hydrogen	--	--	--	--	--	1,226	--	1,226	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	2,563	--	26	2,023	858	-21	5,469	22	0	346
Fuel Ethanol	--	2,563	--	--	1,857	735	-23	5,178	0	0	330
Renewable Fuels Except Fuel Ethanol	--	--	--	26	165	123	2	291	21	0	16
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	153	-556	73	330	2,982
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	183	-2,148	-4,098	-193	-5,870	0	0	5,479
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-2,148	-4,098	-193	-5,870	0	0	5,479
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>117,578</b>	<b>636</b>	<b>-4,071</b>	<b>3,240</b>	<b>-893</b>	--	<b>219</b>	<b>118,056</b>	<b>8,100</b>
Finished Motor Gasoline	--	--	56,029	--	-3,249	3,363	-696	--	6	56,833	1,542
Reformulated	--	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	56,029	--	-3,249	3,363	-696	--	6	56,833	1,542
Finished Aviation Gasoline	--	--	20	4	--	--	0	--	--	24	9
Kerosene-Type Jet Fuel	--	--	6,188	20	4,006	--	89	--	--	10,125	689
Kerosene	--	--	2	--	--	--	0	--	--	2	1
Distillate Fuel Oil	--	--	37,043	298	-1,325	-123	-669	--	--	36,562	3,647
15 ppm sulfur and under	--	--	36,710	298	-1,061	-123	-724	--	--	36,548	3,318
Greater than 15 ppm to 500 ppm sulfur	--	--	230	--	--	--	-8	--	--	238	212
Greater than 500 ppm sulfur	--	--	103	--	-264	--	63	--	--	-224	117
Residual Fuel Oil <sup>6</sup>	--	--	2,136	--	--	--	15	--	113	2,008	239
Less than 0.31 percent sulfur	--	--	1,251	--	--	--	-1	--	NA	NA	33
0.31 to 1.00 percent sulfur	--	--	121	--	--	--	21	--	NA	NA	25
Greater than 1.00 percent sulfur	--	--	764	--	--	--	-5	--	NA	NA	181
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	61	-61	--
Waxes	--	--	--	--	--	--	--	--	1	-1	--
Petroleum Coke	--	--	4,651	--	-1,901	--	-58	--	0	2,808	86
Marketable	--	--	3,164	--	-1,901	--	-58	--	0	1,321	86
Catalyst	--	--	1,487	--	--	--	--	--	--	1,487	--
Asphalt and Road Oil	--	--	6,562	307	-1,602	--	426	--	37	4,804	1,870
Still Gas	--	--	4,293	--	--	--	--	--	--	4,293	--
Miscellaneous Products	--	--	654	7	--	--	0	--	0	661	17
<b>Total</b>	<b>185,912</b>	<b>2,507</b>	<b>120,236</b>	<b>66,009</b>	<b>-137,760</b>	<b>4,578</b>	<b>-1,279</b>	<b>114,874</b>	<b>3,093</b>	<b>124,795</b>	<b>43,247</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other

**Table 19. PAD District 4 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>674</b>	--	--	<b>319</b>	<b>-423</b>	<b>13</b>	<b>-32</b>	<b>611</b>	<b>4</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>393</b>	<b>0</b>	<b>21</b>	<b>9</b>	<b>-356</b>	--	<b>11</b>	<b>17</b>	<b>15</b>	<b>24</b>
Natural Gas Liquids	393	0	19	9	-356	--	10	17	15	22
Ethane	117	--	--	--	-112	--	0	--	--	6
Propane	138	--	10	7	-125	--	5	--	0	26
Normal Butane	54	--	9	0	-45	--	6	4	1	6
Isobutane	25	--	0	2	-27	--	-1	7	--	-7
Natural Gasoline	59	0	--	--	-47	--	0	6	14	-8
Refinery Olefins	--	--	2	--	--	--	0	--	--	2
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Butylene	--	--	2	--	--	--	0	--	--	1
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>14</b>	--	<b>3</b>	<b>19</b>	<b>-31</b>	<b>-30</b>	<b>30</b>	<b>0</b>	<b>3</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	15	10	0	40	0	0
Hydrogen	--	--	--	--	--	6	--	6	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	15	4	0	33	0	0
Fuel Ethanol	--	14	--	--	14	3	0	31	--	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	2	1	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	-14	10	0	3
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	3	3	-42	-17	-19	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	3	-42	-17	-19	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>665</b>	<b>2</b>	<b>-30</b>	<b>38</b>	<b>-39</b>	--	<b>2</b>	<b>712</b>
Finished Motor Gasoline	--	--	329	--	-21	38	-5	--	0	351
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	329	--	-21	38	-5	--	0	351
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	36	0	22	--	-5	--	--	64
Kerosene	--	--	--	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	199	1	-7	-1	-13	--	--	204
15 ppm sulfur and under	--	--	195	1	-5	-1	-13	--	--	204
Greater than 15 ppm to 500 ppm sulfur	--	--	0	--	--	--	-1	--	--	1
Greater than 500 ppm sulfur	--	--	4	--	-2	--	2	--	--	0
Residual Fuel Oil <sup>6</sup>	--	--	12	--	--	--	1	--	1	11
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	23	--	-7	--	-1	--	--	17
Marketable	--	--	14	--	-7	--	-1	--	--	8
Catalyst	--	--	9	--	--	--	--	--	--	9
Asphalt and Road Oil	--	--	39	1	-18	--	-16	--	1	37
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	4	0	--	--	0	--	0	5
<b>Total</b>	<b>1,067</b>	<b>14</b>	<b>686</b>	<b>333</b>	<b>-791</b>	<b>19</b>	<b>-91</b>	<b>658</b>	<b>21</b>	<b>739</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 20. PAD District 4 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>651</b>	--	--	<b>349</b>	<b>-405</b>	<b>19</b>	<b>-4</b>	<b>614</b>	<b>3</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>376</b>	<b>0</b>	<b>15</b>	<b>11</b>	<b>-333</b>	--	<b>2</b>	<b>19</b>	<b>13</b>	<b>35</b>
Natural Gas Liquids	376	0	13	11	-333	--	2	19	13	34
Ethane	105	--	--	--	-97	--	0	--	--	8
Propane	136	--	10	10	-121	--	-1	--	0	36
Normal Butane	53	--	3	0	-45	--	2	7	1	1
Isobutane	25	--	1	1	-26	--	0	7	--	-7
Natural Gasoline	57	0	--	--	-44	--	0	5	12	-4
Refinery Olefins	--	--	1	--	--	--	0	--	--	1
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	0	--	--	--	0	--	--	0
Butylene	--	--	1	--	--	--	0	--	--	1
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>14</b>	--	<b>1</b>	<b>-1</b>	<b>-11</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>2</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	--	14	--	0	11	12	0	37	0	0
Hydrogen	--	--	--	--	--	7	--	7	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	--	--	--	--	--
Renewable Fuels (including Fuel Ethanol)	--	14	--	0	11	5	0	30	0	0
Fuel Ethanol	--	14	--	--	10	4	0	29	0	0
Renewable Fuels Except Fuel Ethanol	--	--	--	0	1	1	0	2	0	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	--	--	--	1	-3	0	2
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1	-12	-23	-1	-32	0	0
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	--	--	-12	-23	-1	-32	0	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>650</b>	<b>4</b>	<b>-22</b>	<b>18</b>	<b>-5</b>	--	<b>1</b>	<b>652</b>
Finished Motor Gasoline	--	--	310	--	-18	19	-4	--	0	314
Reformulated	--	--	--	--	--	--	--	--	--	--
Conventional	--	--	310	--	-18	19	-4	--	0	314
Finished Aviation Gasoline	--	--	0	0	--	--	0	--	--	0
Kerosene-Type Jet Fuel	--	--	34	0	22	--	0	--	--	56
Kerosene	--	--	0	--	--	--	0	--	--	0
Distillate Fuel Oil	--	--	205	2	-7	-1	-4	--	--	202
15 ppm sulfur and under	--	--	203	2	-6	-1	-4	--	--	202
Greater than 15 ppm to 500 ppm sulfur	--	--	1	--	--	--	0	--	--	1
Greater than 500 ppm sulfur	--	--	1	--	-1	--	0	--	--	-1
Residual Fuel Oil <sup>6</sup>	--	--	12	--	--	--	0	--	1	11
Less than 0.31 percent sulfur	--	--	7	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	1	--	--	--	0	--	NA	NA
Greater than 1.00 percent sulfur	--	--	4	--	--	--	0	--	NA	NA
Petrochemical Feedstocks	--	--	--	--	--	--	--	--	--	--
Naphtha for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	--	--	--	--	--	--	--	--
Lubricants	--	--	--	--	--	--	--	--	0	0
Waxes	--	--	--	--	--	--	--	--	0	0
Petroleum Coke	--	--	26	--	-11	--	0	--	0	16
Marketable	--	--	17	--	-11	--	0	--	0	7
Catalyst	--	--	8	--	--	--	--	--	--	8
Asphalt and Road Oil	--	--	36	2	-9	--	2	--	0	27
Still Gas	--	--	24	--	--	--	--	--	--	24
Miscellaneous Products	--	--	4	0	--	--	0	--	0	4
<b>Total</b>	<b>1,027</b>	<b>14</b>	<b>664</b>	<b>365</b>	<b>-761</b>	<b>25</b>	<b>-7</b>	<b>635</b>	<b>17</b>	<b>689</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 21. PAD District 5 - Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>28,671</b>	--	--	<b>36,407</b>	<b>3,103</b>	<b>1,631</b>	<b>-2,258</b>	<b>71,197</b>	<b>873</b>	<b>0</b>	<b>54,137</b>
<b>Hydrocarbon Gas Liquids</b>	<b>1,870</b>	<b>-14</b>	<b>2,671</b>	<b>961</b>	<b>397</b>	--	<b>933</b>	<b>2,090</b>	<b>1,436</b>	<b>1,426</b>	<b>4,425</b>
Natural Gas Liquids	1,870	-14	2,351	961	397	--	820	2,090	1,436	1,219	4,267
Ethane	3	--	--	--	--	--	--	--	--	3	--
Propane	307	--	1,190	896	224	--	342	--	942	1,333	1,264
Normal Butane	294	--	984	62	100	--	437	649	482	-128	2,412
Isobutane	375	--	177	3	73	--	16	671	--	-59	503
Natural Gasoline	891	-14	--	--	--	--	25	770	12	70	88
Refinery Olefins	--	--	320	--	--	--	113	--	--	207	158
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	249	--	--	--	-8	--	--	257	12
Butylene	--	--	71	--	--	--	121	--	--	-50	146
Isobutylene	--	--	--	--	--	--	0	--	--	0	0
<b>Other Liquids</b>	--	<b>926</b>	--	<b>6,292</b>	<b>9,797</b>	<b>-1,542</b>	<b>-1,509</b>	<b>16,542</b>	<b>428</b>	<b>13</b>	<b>51,527</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	926	--	717	4,844	384	-194	6,997	68	0	3,580
Hydrogen	--	--	--	--	--	1,265	--	1,265	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	2	--	--	2	0	--
Renewable Fuels (including Fuel Ethanol)	--	926	--	717	4,844	-884	-194	5,732	65	0	3,580
Fuel Ethanol	--	613	--	252	4,516	-447	-39	4,943	30	0	2,523
Renewable Fuels Except Fuel Ethanol	--	313	--	465	328	-436	-155	789	35	0	1,057
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	3,697	--	--	-1,394	4,892	186	13	22,339
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	1,878	4,953	-1,925	79	4,653	174	0	25,608
Reformulated	--	--	--	--	2,567	557	-339	3,462	1	0	11,750
Conventional	--	--	--	1,878	2,386	-2,482	418	1,191	173	0	13,858
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>93,044</b>	<b>4,249</b>	<b>2,307</b>	<b>2,703</b>	<b>-2,372</b>	--	<b>9,865</b>	<b>94,811</b>	<b>32,440</b>
Finished Motor Gasoline	--	--	49,304	82	356	2,373	151	--	1,345	50,618	2,096
Reformulated	--	--	34,726	--	--	-190	7	--	--	34,529	20
Conventional	--	--	14,578	82	356	2,563	144	--	1,345	16,090	2,076
Finished Aviation Gasoline	--	--	97	5	30	--	3	--	--	129	215
Kerosene-Type Jet Fuel	--	--	14,342	1,913	221	--	-1,400	--	875	17,001	8,615
Kerosene	--	--	-1	--	--	--	-3	--	2	0	10
Distillate Fuel Oil	--	--	16,059	244	1,228	330	-1,081	--	2,613	16,329	12,501
15 ppm sulfur and under	--	--	15,663	197	1,228	330	-811	--	1,588	16,642	11,588
Greater than 15 ppm to 500 ppm sulfur	--	--	169	--	--	--	18	--	168	-17	239
Greater than 500 ppm sulfur	--	--	227	47	--	--	-288	--	858	-296	674
Residual Fuel Oil <sup>6</sup>	--	--	3,121	1,698	--	--	142	--	665	4,012	4,546
Less than 0.31 percent sulfur	--	--	4	--	--	--	13	--	NA	NA	179
0.31 to 1.00 percent sulfur	--	--	520	--	--	--	-229	--	NA	NA	439
Greater than 1.00 percent sulfur	--	--	2,597	1,698	--	--	358	--	NA	NA	3,922
Petrochemical Feedstocks	--	--	3	--	--	--	3	--	--	0	5
Naphtha for Petro. Feed. Use	--	--	3	--	--	--	3	--	--	0	5
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	23	45	--	--	3	--	--	65	51
Lubricants	--	--	632	5	-90	--	83	--	243	221	835
Waxes	--	--	--	36	--	--	--	--	6	30	--
Petroleum Coke	--	--	4,389	46	74	--	34	--	4,071	404	1,582
Marketable	--	--	3,361	46	74	--	34	--	4,071	-624	1,582
Catalyst	--	--	1,028	--	--	--	--	--	--	1,028	--
Asphalt and Road Oil	--	--	931	174	489	--	-300	--	43	1,850	1,875
Still Gas	--	--	3,726	--	--	--	--	--	--	3,726	--
Miscellaneous Products	--	--	418	1	--	--	-7	--	0	426	109
<b>Total</b>	<b>30,541</b>	<b>912</b>	<b>95,715</b>	<b>47,909</b>	<b>15,605</b>	<b>2,792</b>	<b>-5,206</b>	<b>89,829</b>	<b>12,601</b>	<b>96,249</b>	<b>142,529</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other

**Table 22. PAD District 5 - Year-to-Date Supply, Disposition, and Ending Stocks of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels)

Commodity	Supply						Disposition				Ending Stocks
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>	
<b>Crude Oil</b>	<b>181,735</b>	--	--	<b>210,455</b>	<b>24,918</b>	<b>16,186</b>	<b>2,432</b>	<b>427,554</b>	<b>3,308</b>	<b>0</b>	<b>54,137</b>
<b>Hydrocarbon Gas Liquids</b>	<b>12,594</b>	<b>-79</b>	<b>11,280</b>	<b>6,207</b>	<b>4,791</b>	--	<b>27</b>	<b>15,977</b>	<b>7,848</b>	<b>10,941</b>	<b>4,425</b>
Natural Gas Liquids	12,594	-79	9,583	6,207	4,791	--	-109	15,977	7,848	9,380	--
Ethane	11	--	--	--	--	--	--	--	0	11	--
Propane	1,920	--	6,774	5,190	1,865	--	-299	--	5,639	10,409	--
Normal Butane	2,077	--	2,239	932	2,081	--	106	5,876	2,117	-770	--
Isobutane	2,476	--	570	85	845	--	31	4,697	--	-752	--
Natural Gasoline	6,110	-79	--	--	--	--	53	5,404	92	482	--
Refinery Olefins	--	--	1,697	--	--	--	136	--	--	1,561	--
Ethylene	--	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	1,579	--	--	--	0	--	--	1,579	--
Butylene	--	--	118	--	--	--	136	--	--	-18	--
Isobutylene	--	--	--	--	--	--	0	--	--	0	--
<b>Other Liquids</b>	--	<b>4,854</b>	--	<b>30,072</b>	<b>58,297</b>	<b>-6,483</b>	<b>1,789</b>	<b>80,300</b>	<b>3,945</b>	<b>706</b>	<b>51,527</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	4,854	--	2,976	28,780	3,495	-470	39,179	1,396	0	3,580
Hydrogen	--	--	--	--	--	6,595	--	6,595	--	0	--
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	10	--	--	10	0	--
Renewable Fuels (including Fuel Ethanol)	--	4,854	--	2,976	28,780	-3,110	-470	32,584	1,386	0	3,580
Fuel Ethanol	--	3,489	--	449	26,942	-941	50	28,614	1,275	0	2,523
Renewable Fuels Except Fuel Ethanol	--	1,365	--	2,527	1,838	-2,169	-520	3,970	111	0	1,057
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	20,403	--	--	3,767	14,882	1,048	706	22,339
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	6,693	29,517	-9,978	-1,508	26,239	1,501	0	25,608
Reformulated	--	--	--	--	14,383	-19	-2,574	16,934	4	0	11,750
Conventional	--	--	--	6,693	15,134	-9,959	1,066	9,305	1,497	0	13,858
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>547,010</b>	<b>28,549</b>	<b>11,460</b>	<b>12,553</b>	<b>-254</b>	--	<b>61,734</b>	<b>538,092</b>	<b>32,440</b>
Finished Motor Gasoline	--	--	290,303	912	1,897	10,919	-63	--	9,005	295,089	2,096
Reformulated	--	--	203,755	--	--	641	4	--	--	204,392	20
Conventional	--	--	86,548	912	1,897	10,278	-67	--	9,005	90,696	2,076
Finished Aviation Gasoline	--	--	99	5	140	--	22	--	--	222	215
Kerosene-Type Jet Fuel	--	--	79,951	15,936	1,564	--	-588	--	4,993	93,046	8,615
Kerosene	--	--	76	--	--	--	-37	--	17	96	10
Distillate Fuel Oil	--	--	96,861	1,815	5,872	1,634	-334	--	18,484	88,032	12,501
15 ppm sulfur and under	--	--	92,611	1,720	5,872	1,634	-262	--	11,311	90,788	11,588
Greater than 15 ppm to 500 ppm sulfur	--	--	1,752	--	--	--	-28	--	1,293	487	239
Greater than 500 ppm sulfur	--	--	2,498	95	--	--	-44	--	5,880	-3,243	674
Residual Fuel Oil <sup>6</sup>	--	--	21,052	8,550	--	--	68	--	3,600	25,934	4,546
Less than 0.31 percent sulfur	--	--	37	--	--	--	45	--	NA	NA	179
0.31 to 1.00 percent sulfur	--	--	3,611	490	--	--	-410	--	NA	NA	439
Greater than 1.00 percent sulfur	--	--	17,404	8,060	--	--	433	--	NA	NA	3,922
Petrochemical Feedstocks	--	--	18	229	--	--	4	--	--	243	5
Naphtha for Petro. Feed. Use	--	--	18	197	--	--	4	--	--	211	5
Other Oils for Petro. Feed. Use	--	--	--	32	--	--	--	--	--	32	--
Special Naphthas	--	--	159	45	--	--	22	--	--	182	51
Lubricants	--	--	3,268	89	-211	--	237	--	1,335	1,574	835
Waxes	--	--	--	196	--	--	--	--	36	160	--
Petroleum Coke	--	--	27,071	177	326	--	369	--	24,073	3,132	1,582
Marketable	--	--	20,975	177	326	--	369	--	24,073	-2,964	1,582
Catalyst	--	--	6,096	--	--	--	--	--	--	6,096	--
Asphalt and Road Oil	--	--	4,229	594	1,872	--	14	--	188	6,493	1,875
Still Gas	--	--	21,482	--	--	--	--	--	--	21,482	--
Miscellaneous Products	--	--	2,441	1	--	--	32	--	2	2,408	109
<b>Total</b>	<b>194,329</b>	<b>4,775</b>	<b>558,290</b>	<b>275,283</b>	<b>99,467</b>	<b>22,256</b>	<b>3,994</b>	<b>523,831</b>	<b>76,835</b>	<b>549,740</b>	<b>142,529</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other

**Table 23. PAD District 5 - Daily Average Supply and Disposition of Crude Oil and Petroleum Products, June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>956</b>	--	--	<b>1,214</b>	<b>103</b>	<b>54</b>	<b>-75</b>	<b>2,373</b>	<b>29</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>62</b>	<b>0</b>	<b>89</b>	<b>32</b>	<b>13</b>	--	<b>31</b>	<b>70</b>	<b>48</b>	<b>48</b>
Natural Gas Liquids	62	0	78	32	13	--	27	70	48	41
Ethane	0	--	--	--	--	--	--	--	--	0
Propane	10	--	40	30	7	--	11	--	31	44
Normal Butane	10	--	33	2	3	--	15	22	16	-4
Isobutane	13	--	6	0	2	--	1	22	--	-2
Natural Gasoline	30	0	--	--	--	--	1	26	0	2
Refinery Olefins	--	--	11	--	--	--	4	--	--	7
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	8	--	--	--	0	--	--	9
Butylene	--	--	2	--	--	--	4	--	--	-2
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>31</b>	--	<b>210</b>	<b>327</b>	<b>-51</b>	<b>-50</b>	<b>551</b>	<b>14</b>	<b>0</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	31	--	24	161	13	-6	233	2	0
Hydrogen	--	--	--	--	--	42	--	42	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	31	--	24	161	-29	-6	191	2	0
Fuel Ethanol	--	20	--	8	151	-15	-1	165	1	0
Renewable Fuels Except Fuel Ethanol	--	10	--	16	11	-15	-5	26	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	123	--	--	-46	163	6	0
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	63	165	-64	3	155	6	0
Reformulated	--	--	--	--	86	19	-11	115	0	0
Conventional	--	--	--	63	80	-83	14	40	6	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>3,101</b>	<b>142</b>	<b>77</b>	<b>90</b>	<b>-79</b>	--	<b>329</b>	<b>3,160</b>
Finished Motor Gasoline	--	--	1,643	3	12	79	5	--	45	1,687
Reformulated	--	--	1,158	--	--	-6	0	--	--	1,151
Conventional	--	--	486	3	12	85	5	--	45	536
Finished Aviation Gasoline	--	--	3	0	1	--	0	--	--	4
Kerosene-Type Jet Fuel	--	--	478	64	7	--	-47	--	29	567
Kerosene	--	--	0	--	--	--	0	--	0	0
Distillate Fuel Oil	--	--	535	8	41	11	-36	--	87	544
15 ppm sulfur and under	--	--	522	7	41	11	-27	--	53	555
Greater than 15 ppm to 500 ppm sulfur	--	--	6	--	--	--	1	--	6	-1
Greater than 500 ppm sulfur	--	--	8	2	--	--	-10	--	29	-10
Residual Fuel Oil <sup>6</sup>	--	--	104	57	--	--	5	--	22	134
Less than 0.31 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	17	--	--	--	-8	--	NA	NA
Greater than 1.00 percent sulfur	--	--	87	57	--	--	12	--	NA	NA
Petrochemical Feedstocks	--	--	0	--	--	--	0	--	--	0
Naphtha for Petro. Feed. Use	--	--	0	--	--	--	0	--	--	0
Other Oils for Petro. Feed. Use	--	--	--	--	--	--	--	--	--	--
Special Naphthas	--	--	1	2	--	--	0	--	--	2
Lubricants	--	--	21	0	-3	--	3	--	8	7
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	146	2	2	--	1	--	136	13
Marketable	--	--	112	2	2	--	1	--	136	-21
Catalyst	--	--	34	--	--	--	--	--	--	34
Asphalt and Road Oil	--	--	31	6	16	--	-10	--	1	62
Still Gas	--	--	124	--	--	--	--	--	--	124
Miscellaneous Products	--	--	14	0	--	--	0	--	0	14
<b>Total</b>	<b>1,018</b>	<b>30</b>	<b>3,191</b>	<b>1,597</b>	<b>520</b>	<b>93</b>	<b>-174</b>	<b>2,994</b>	<b>420</b>	<b>3,208</b>

-- = Not Applicable.

- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 24. PAD District 5 - Year-to-Date Daily Average Supply and Disposition of Crude Oil and Petroleum Products, January-June 2017**  
(Thousand Barrels per Day)

Commodity	Supply						Disposition			
	Field Production	Renewable Fuels and Oxygenate Plant Net Production	Refinery and Blender Net Production	Imports (PADD of Entry) <sup>1</sup>	Net Receipts <sup>2</sup>	Adjustments <sup>3</sup>	Stock Change <sup>4</sup>	Refinery and Blender Net Inputs	Exports	Products Supplied <sup>5</sup>
<b>Crude Oil</b>	<b>1,004</b>	--	--	<b>1,163</b>	<b>138</b>	<b>89</b>	<b>13</b>	<b>2,362</b>	<b>18</b>	<b>0</b>
<b>Hydrocarbon Gas Liquids</b>	<b>70</b>	<b>0</b>	<b>62</b>	<b>34</b>	<b>26</b>	--	<b>0</b>	<b>88</b>	<b>43</b>	<b>60</b>
Natural Gas Liquids	70	0	53	34	26	--	-1	88	43	52
Ethane	0	--	--	--	--	--	--	--	0	0
Propane	11	--	37	29	10	--	-2	--	31	58
Normal Butane	11	--	12	5	11	--	1	32	12	-4
Isobutane	14	--	3	0	5	--	0	26	--	-4
Natural Gasoline	34	0	--	--	--	--	0	30	1	3
Refinery Olefins	--	--	9	--	--	--	1	--	--	9
Ethylene	--	--	--	--	--	--	--	--	--	--
Propylene	--	--	9	--	--	--	0	--	--	9
Butylene	--	--	1	--	--	--	1	--	--	0
Isobutylene	--	--	--	--	--	--	0	--	--	0
<b>Other Liquids</b>	--	<b>27</b>	--	<b>166</b>	<b>322</b>	<b>-36</b>	<b>10</b>	<b>444</b>	<b>22</b>	<b>4</b>
Hydrogen/Oxygenates/Renewables/	--	--	--	--	--	--	--	--	--	--
Other Hydrocarbons	--	27	--	16	159	19	-3	216	8	0
Hydrogen	--	--	--	--	--	36	--	36	--	0
Oxygenates (excluding Fuel Ethanol)	--	--	--	--	--	0	--	--	0	0
Renewable Fuels (including Fuel Ethanol)	--	27	--	16	159	-17	-3	180	8	0
Fuel Ethanol	--	19	--	2	149	-5	0	158	7	0
Renewable Fuels Except Fuel Ethanol	--	8	--	14	10	-12	-3	22	1	0
Other Hydrocarbons	--	--	--	--	--	--	--	--	--	--
Unfinished Oils	--	--	--	113	--	--	21	82	6	4
Motor Gasoline Blend.Comp. (MGBC)	--	--	--	37	163	-55	-8	145	8	0
Reformulated	--	--	--	--	79	0	-14	94	0	0
Conventional	--	--	--	37	84	-55	6	51	8	0
Aviation Gasoline Blend. Comp.	--	--	--	--	--	--	--	--	--	--
<b>Finished Petroleum Products</b>	--	--	<b>3,022</b>	<b>158</b>	<b>63</b>	<b>69</b>	<b>-1</b>	--	<b>341</b>	<b>2,973</b>
Finished Motor Gasoline	--	--	1,604	5	10	60	0	--	50	1,630
Reformulated	--	--	1,126	--	--	4	0	--	--	1,129
Conventional	--	--	478	5	10	57	0	--	50	501
Finished Aviation Gasoline	--	--	1	0	1	--	0	--	--	1
Kerosene-Type Jet Fuel	--	--	442	88	9	--	-3	--	28	514
Kerosene	--	--	0	--	--	--	0	--	0	1
Distillate Fuel Oil	--	--	535	10	32	9	-2	--	102	486
15 ppm sulfur and under	--	--	512	10	32	9	-1	--	62	502
Greater than 15 ppm to 500 ppm sulfur	--	--	10	--	--	--	0	--	7	3
Greater than 500 ppm sulfur	--	--	14	1	--	--	0	--	32	-18
Residual Fuel Oil <sup>6</sup>	--	--	116	47	--	--	0	--	20	143
Less than 0.31 percent sulfur	--	--	0	--	--	--	0	--	NA	NA
0.31 to 1.00 percent sulfur	--	--	20	3	--	--	-2	--	NA	NA
Greater than 1.00 percent sulfur	--	--	96	45	--	--	2	--	NA	NA
Petrochemical Feedstocks	--	--	0	1	--	--	0	--	--	1
Naphtha for Petro. Feed. Use	--	--	0	1	--	--	0	--	--	1
Other Oils for Petro. Feed. Use	--	--	0	--	--	--	--	--	--	0
Special Naphthas	--	--	1	0	--	--	0	--	--	1
Lubricants	--	--	18	0	-1	--	1	--	7	9
Waxes	--	--	--	1	--	--	--	--	0	1
Petroleum Coke	--	--	150	1	2	--	2	--	133	17
Marketable	--	--	116	1	2	--	2	--	133	-16
Catalyst	--	--	34	--	--	--	--	--	--	34
Asphalt and Road Oil	--	--	23	3	10	--	0	--	1	36
Still Gas	--	--	119	--	--	--	--	--	--	119
Miscellaneous Products	--	--	13	0	--	--	0	--	0	13
<b>Total</b>	<b>1,074</b>	<b>26</b>	<b>3,084</b>	<b>1,521</b>	<b>550</b>	<b>123</b>	<b>22</b>	<b>2,894</b>	<b>425</b>	<b>3,037</b>

-- = Not Applicable.

-- = No Data Reported.

NA = Not Available.

<sup>1</sup> Represents the PAD District in which the material entered the United States and not necessarily where the crude oil or product is processed and/or consumed.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>3</sup> Includes an adjustment for crude oil, previously referred to as 'Unaccounted For Crude Oil.' Also included is an adjustment for motor gasoline blending components, fuel ethanol, and distillate fuel oil. See Appendix B, Note 2C for a detailed explanation of these adjustments.

<sup>4</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

<sup>5</sup> Product supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, plus net receipts, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

<sup>6</sup> Total residual fuel oil ending stocks and stock change include stocks held at pipelines. Residual fuel oil ending stocks and stock change by sulfur content exclude pipeline stocks. Therefore, the sum of residual fuel oil ending stocks and stock change by sulfur content may not equal total residual fuel oil ending stocks and stock change.

Notes: Totals may not equal sum of components due to independent rounding. Domestic crude oil field production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-22M "Monthly Biodiesel Production Survey", Forms EIA-810, "Monthly Refinery Report," EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," EIA-817, "Monthly Tanker and Barge Movements Report," and EIA-819, "Monthly Oxygenate Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 25. Crude Oil Supply, Disposition, and Ending Stocks by PAD District, June 2017**  
(Thousand Barrels, Except Where Noted)

Process	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Supply</b>							
Field Production .....	1,403	50,299	172,303	20,232	28,671	272,908	9,097
Alaskan .....	--	--	--	--	--	13,881	463
Lower 48 States .....	--	--	--	--	--	259,027	8,634
Imports (PAD District of Entry) .....	31,683	73,423	89,224	9,571	36,407	240,308	8,010
Commercial .....	31,683	73,423	89,224	9,571	36,407	240,308	8,010
Strategic Petroleum Reserve (SPR) .....	--	--	--	--	--	--	--
Net Receipts .....	2,926	-3,401	10,077	-12,705	3,103	--	--
Adjustments <sup>1</sup> .....	-3,181	-5,188	11,123	381	1,631	4,766	159
<b>Disposition</b>							
Stock Change <sup>2</sup> .....	-1,032	-8,972	-8,527	-970	-2,258	-21,759	-725
Commercial .....	--	--	-3,223	--	--	-16,455	-549
SPR .....	--	--	-5,304	--	--	-5,304	-177
Refinery Inputs .....	33,863	117,307	275,447	18,335	71,197	516,149	17,205
Exports .....	0	6,797	15,807	115	873	23,592	786
<b>Ending Stocks</b>							
Total .....	15,773	148,817	938,174	22,686	54,137	1,179,587	--
Commercial .....	15,773	148,817	259,000	22,686	54,137	500,413	--
Refinery .....	10,664	14,263	48,044	2,610	23,429	99,010	--
Tank Farms and Pipelines .....	5,109	134,554	210,956	20,076	25,933	396,628	--
Cushing, Oklahoma .....	--	58,893	--	--	--	58,893	--
Lease .....	--	--	--	--	--	--	--
Alaskan Crude Oil In-Transit by Water .....	--	--	--	--	4,775	4,775	--
SPR .....	--	--	679,174	--	--	679,174	--
<b>SPR Stocks</b>							
Percent of Total Crude Oil Stocks (Percent) .....	--	--	--	--	--	57.6	--
Percent of Total Petroleum Stocks (Percent) .....	--	--	--	--	--	33.8	--
Days of Total Petroleum Net Imports (Days) .....	--	--	--	--	--	166	--
<b>SPR Receipts Detail</b>							
Receipts .....	--	--	--	--	--	--	--
Domestic .....	--	--	--	--	--	--	--
Imports .....	--	--	--	--	--	--	--
Imported by SPR .....	--	--	--	--	--	--	--
Imported for SPR by Others .....	--	--	--	--	--	--	--
<b>Imports</b>							
PAD District of Entry .....	31,683	73,423	89,224	9,571	36,407	240,308	8,010
PAD District of Processing .....	31,974	66,578	97,344	7,939	36,473	240,308	8,010

-- = Not Applicable.

-- = No Data Reported.

<sup>1</sup> Crude oil adjustment was previously referred to as Unaccounted-for Crude Oil.

<sup>2</sup> A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks. Stock change for crude oil excludes lease stocks beginning with January 2005 (see explanatory notes).

Notes: Totals may not equal the sum of components due to independent rounding. Values of Domestic Crude Oil Field Production are estimates.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-813, "Monthly Crude Oil Report," EIA-814, "Monthly Imports Report," and EIA-817, "Monthly Tanker and Barge Movements Report." Domestic crude oil field production estimates based on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," and data from State conservation agencies, U.S. Department of Interior, and the Bureau of Ocean Energy Management. Export data from the U.S. Census Bureau and EIA estimates. Rail net receipts estimates based on EIA analysis of data from the Surface Transportation Board and other information.



**Table 26. Production of Crude Oil by PAD District and State, June 2017**  
(Thousand Barrels)

PAD District and State	June 2017		January-June 2017	
	Total	Daily Average	Total	Daily Average
<b>PAD District 1</b> .....	<b>1,403</b>	<b>47</b>	<b>8,226</b>	<b>45</b>
Florida .....	157	5	982	5
New York .....	18	1	110	1
Pennsylvania .....	473	16	2,915	16
Virginia .....	0	0	2	0
West Virginia .....	754	25	4,217	23
<b>PAD District 2</b> .....	<b>50,299</b>	<b>1,677</b>	<b>299,537</b>	<b>1,655</b>
Illinois .....	699	23	4,131	23
Indiana .....	150	5	897	5
Kansas .....	2,984	99	17,925	99
Kentucky .....	201	7	1,127	6
Michigan .....	460	15	2,775	15
Missouri .....	10	0	57	0
Nebraska .....	192	6	1,141	6
North Dakota .....	30,523	1,017	183,684	1,015
Ohio .....	1,492	50	8,999	50
Oklahoma .....	13,454	448	78,015	431
South Dakota .....	108	4	656	4
Tennessee .....	24	1	130	1
<b>PAD District 3</b> .....	<b>172,303</b>	<b>5,743</b>	<b>1,034,612</b>	<b>5,716</b>
Alabama .....	553	18	3,500	19
Arkansas .....	412	14	2,538	14
Louisiana .....	4,130	138	25,622	142
Mississippi .....	1,514	50	9,133	50
New Mexico .....	13,240	441	79,885	441
Texas .....	103,385	3,446	605,654	3,346
Federal Offshore PAD District 3 .....	49,069	1,636	308,282	1,703
<b>PAD District 4</b> .....	<b>20,232</b>	<b>674</b>	<b>117,921</b>	<b>651</b>
Colorado .....	9,717	324	55,680	308
Idaho .....	8	0	61	0
Montana .....	1,667	56	10,339	57
Utah .....	2,803	93	16,040	89
Wyoming .....	6,038	201	35,802	198
<b>PAD District 5</b> .....	<b>28,671</b>	<b>956</b>	<b>181,735</b>	<b>1,004</b>
Alaska .....	13,881	463	92,043	509
South Alaska .....	402	13	2,383	13
North Slope .....	13,479	449	89,660	495
Arizona .....	2	0	8	0
California .....	14,267	476	86,680	479
Nevada .....	24	1	139	1
Federal Offshore PAD District 5 .....	498	17	2,864	16
<b>U.S. Total</b> .....	<b>272,908</b>	<b>9,097</b>	<b>1,642,031</b>	<b>9,072</b>

– = No Data Reported.

Note: Year-to-date totals include revised monthly production estimates by state published in Petroleum Navigator. Crude oil production quantities are estimated by state and summed to the PADD and the U.S. level. State production estimates reported by EIA are normally different from data reported by state agencies. For example, production estimates for Texas reported on table 26 are different from production reported by the Railroad Commission of Texas. See EIA "Today In Energy" article released on July 10, 2015 (<http://www.eia.gov/todayinenergy/detail.cfm?id=22012>) for an explanation of differences in production data for Texas. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report," state government agencies, U.S. Department of the Interior, and the Bureau of Ocean Energy Management.

**Table 27. Natural Gas Plant Net Production and Stocks of Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels)

Commodity	Production						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b> .....	15	12,896	12,911	5,897	7,021	12,465	25,383
Natural Gas Liquids .....	15	12,896	12,911	5,897	7,021	12,465	25,383
Ethane .....	—	5,456	5,456	2,097	2,046	4,153	8,296
Propane .....	5	4,259	4,264	2,400	2,573	4,383	9,356
Normal Butane .....	10	1,284	1,294	440	1,148	1,359	2,947
Isobutane .....	—	647	647	533	273	909	1,715
Natural Gasoline .....	—	1,250	1,250	427	981	1,661	3,069

Commodity	Production								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b> .....	42,313	5,982	5,711	941	5,659	60,606	11,778	1,870	112,548
Natural Gas Liquids .....	42,313	5,982	5,711	941	5,659	60,606	11,778	1,870	112,548
Ethane .....	17,271	3,036	2,288	311	2,171	25,077	3,519	3	42,351
Propane .....	13,047	1,548	1,780	222	1,818	18,415	4,139	307	36,481
Normal Butane .....	4,381	-3,257	612	99	529	2,364	1,610	294	8,509
Isobutane .....	2,704	4,137	377	78	442	7,738	736	375	11,211
Natural Gasoline .....	4,910	518	654	231	699	7,012	1,774	891	13,996

Commodity	Stocks						
	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b> .....	6	259	265	940	128	426	1,494
Natural Gas Liquids .....	6	259	265	940	128	426	1,494
Ethane .....	—	—	—	85	2	109	196
Propane .....	3	143	146	549	43	111	703
Normal Butane .....	3	37	40	108	26	88	222
Isobutane .....	—	14	14	106	4	63	173
Natural Gasoline .....	—	65	65	92	53	55	200

Commodity	Stocks								
	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b> .....	158	2,841	910	26	—	3,935	135	458	6,287
Natural Gas Liquids .....	158	2,841	910	26	—	3,935	135	458	6,287
Ethane .....	1	376	—	—	—	377	—	—	573
Propane .....	112	1,488	35	17	—	1,652	54	24	2,579
Normal Butane .....	9	522	699	5	—	1,235	29	312	1,838
Isobutane .....	4	434	37	—	—	475	11	44	717
Natural Gasoline .....	32	21	139	4	—	196	41	78	580

— = No Data Reported.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-816, "Monthly Natural Gas Liquids Report."



**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>30,931</b>	<b>2,932</b>	<b>33,863</b>	<b>74,140</b>	<b>15,744</b>	<b>27,423</b>	<b>117,307</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>383</b>	<b>-</b>	<b>383</b>	<b>1,270</b>	<b>55</b>	<b>950</b>	<b>2,275</b>
Natural Gas Liquids .....	383	-	383	1,270	55	950	2,275
Normal Butane .....	30	-	30	31	8	41	80
Isobutane .....	353	-	353	944	45	459	1,448
Natural Gasoline .....	-	-	-	295	2	450	747
<b>Other Liquids</b> .....	<b>80,053</b>	<b>6,679</b>	<b>86,732</b>	<b>14,832</b>	<b>4,010</b>	<b>3,523</b>	<b>22,365</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	9,977	811	10,788	6,065	1,633	1,902	9,600
Hydrogen .....	88	-	88	681	274	177	1,132
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	9,889	811	10,700	5,345	1,359	1,725	8,429
Fuel Ethanol .....	9,674	747	10,421	5,031	1,215	1,650	7,896
Renewable Diesel Fuel .....	215	64	279	314	144	75	533
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	39	-	-	39
Unfinished Oils (net) .....	2,349	-25	2,324	457	-348	44	153
Naphthas and Lighter .....	981	15	996	767	-73	46	740
Kerosene and Light Gas Oils .....	-85	-	-85	405	-91	123	437
Heavy Gas Oils .....	1,111	-38	1,073	-858	-169	26	-1,001
Residuum .....	342	-2	340	143	-15	-151	-23
Motor Gasoline Blend.Comp. (MGBC)(net) .....	67,727	5,893	73,620	8,310	2,725	1,577	12,612
Reformulated - RBOB .....	19,965	270	20,235	-1,098	1,377	1,071	1,350
Conventional .....	47,762	5,623	53,385	9,408	1,348	506	11,262
CBOB .....	39,328	5,616	44,944	9,090	1,435	389	10,914
GTAB .....	2,755	-	2,755	-	-	-	-
Other .....	5,679	7	5,686	318	-87	117	348
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input</b> .....	<b>111,367</b>	<b>9,611</b>	<b>120,978</b>	<b>90,242</b>	<b>19,809</b>	<b>31,896</b>	<b>141,947</b>

See footnotes at end of table.

**Table 28. Refinery and Blender Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b> .....	<b>21,860</b>	<b>139,241</b>	<b>103,293</b>	<b>6,880</b>	<b>4,173</b>	<b>275,447</b>	<b>18,335</b>	<b>71,197</b>	<b>516,149</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>335</b>	<b>4,682</b>	<b>3,702</b>	<b>38</b>	<b>187</b>	<b>8,944</b>	<b>508</b>	<b>2,090</b>	<b>14,200</b>
Natural Gas Liquids .....	335	4,682	3,702	38	187	8,944	508	2,090	14,200
Normal Butane .....	98	843	114	3	—	1,058	109	649	1,926
Isobutane .....	100	1,789	1,756	33	186	3,864	223	671	6,559
Natural Gasoline .....	137	2,050	1,832	2	1	4,022	176	770	5,715
<b>Other Liquids</b> .....	<b>9,117</b>	<b>-39,824</b>	<b>-28,636</b>	<b>7,844</b>	<b>-301</b>	<b>-51,800</b>	<b>911</b>	<b>16,542</b>	<b>74,750</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	2,117	3,271	2,408	1,207	238	9,241	1,194	6,997	37,820
Hydrogen .....	14	2,308	1,810	75	41	4,248	191	1,265	6,924
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	2,103	963	598	1,132	197	4,993	1,003	5,732	30,857
Fuel Ethanol .....	1,993	845	444	1,045	179	4,506	934	4,943	28,700
Renewable Diesel Fuel .....	110	118	154	87	18	487	69	781	2,149
Other Renewable Fuels .....	—	—	—	—	—	—	—	8	8
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	39
Unfinished Oils (net) .....	-240	-1,330	10,836	-93	53	9,226	300	4,892	16,895
Naphthas and Lighter .....	34	-4,901	229	-37	9	-4,666	82	428	-2,420
Kerosene and Light Gas Oils .....	-125	-2,151	1,476	-19	14	-805	-239	-285	-977
Heavy Gas Oils .....	-52	4,194	7,639	15	30	11,826	598	4,085	16,581
Residuum .....	-97	1,528	1,492	-52	—	2,871	-141	664	3,711
Motor Gasoline Blend.Comp. (MGBC)(net) .....	7,240	-41,765	-41,882	6,730	-592	-70,269	-583	4,653	20,033
Reformulated - RBOB .....	5,705	-11,458	-8,228	—	-790	-14,771	—	3,462	10,276
Conventional .....	1,535	-30,307	-33,654	6,730	198	-55,498	-583	1,191	9,757
CBOB .....	1,635	-32,772	-31,545	6,736	282	-55,664	-834	607	-33
GTAB .....	—	—	—	—	—	—	—	—	2,755
Other .....	-100	2,465	-2,109	-6	-84	166	251	584	7,035
Aviation Gasoline Blend. Comp. (net) .....	—	—	2	—	—	2	—	—	2
<b>Total Input</b> .....	<b>31,312</b>	<b>104,099</b>	<b>78,359</b>	<b>14,762</b>	<b>4,059</b>	<b>232,591</b>	<b>19,754</b>	<b>89,829</b>	<b>605,099</b>

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	1,705	68	1,773	4,901	473	660	6,034
Natural Gas Liquids .....	1,325	68	1,393	3,815	301	499	4,615
Ethane .....	—	—	—	—	—	—	—
Propane .....	724	26	750	1,613	232	471	2,316
Normal Butane .....	614	57	671	2,225	121	88	2,434
Isobutane .....	-13	-15	-28	-23	-52	-60	-135
Natural Gasoline .....	—	—	—	—	—	—	—
Refinery Olefins .....	380	—	380	1,086	172	161	1,419
Ethylene .....	10	—	10	—	—	—	—
Propylene .....	383	—	383	915	172	171	1,258
Butylene .....	-74	—	-74	171	—	-10	161
Isobutylene .....	61	—	61	—	—	—	—
Finished Motor Gasoline .....	93,519	7,714	101,233	52,943	11,785	17,682	82,410
Reformulated .....	40,663	198	40,861	8,645	1,525	1,240	11,410
Reformulated Blended with Fuel Ethanol .....	40,663	198	40,861	8,645	1,525	1,240	11,410
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	52,856	7,516	60,372	44,298	10,260	16,442	71,000
Conventional Blended with Fuel Ethanol .....	55,232	7,273	62,505	41,137	10,504	14,886	66,527
Ed55 and Lower .....	55,197	7,273	62,470	41,129	10,479	14,832	66,440
Greater than Ed55 .....	35	—	35	8	25	54	87
Conventional Other .....	-2,376	243	-2,133	3,161	-244	1,556	4,473
Finished Aviation Gasoline .....	—	—	—	—	41	—	41
Kerosene-Type Jet Fuel .....	2,779	—	2,779	5,884	1,034	964	7,882
Kerosene .....	129	—	129	-35	—	9	-26
Distillate Fuel Oil .....	10,121	810	10,931	19,034	4,549	10,677	34,260
15 ppm sulfur and under .....	9,348	718	10,066	18,955	4,637	10,783	34,375
Greater than 15 ppm to 500 ppm sulfur .....	39	81	120	-103	9	28	-66
Greater than 500 ppm sulfur .....	734	11	745	182	-97	-134	-49
Residual Fuel Oil .....	1,553	2	1,555	1,102	169	109	1,380
Less than 0.31 percent sulfur .....	325	1	326	67	—	—	67
0.31 to 1.00 percent sulfur .....	515	1	516	118	59	—	177
Greater than 1.00 percent sulfur .....	713	—	713	917	110	109	1,136
Petrochemical Feedstocks .....	115	—	115	964	—	30	994
Naphtha for Petro. Feed. Use .....	115	—	115	697	—	—	697
Other Oils for Petro. Feed. Use .....	—	—	—	267	—	30	297
Special Naphthas .....	—	23	23	45	—	10	55
Lubricants .....	222	205	427	—	—	246	246
Waxes .....	—	11	11	—	—	42	42
Petroleum Coke .....	1,006	19	1,025	4,030	835	955	5,820
Marketable .....	320	—	320	2,930	662	727	4,319
Catalyst .....	686	19	705	1,100	173	228	1,501
Asphalt and Road Oil .....	437	628	1,065	2,879	1,323	600	4,802
Still Gas .....	1,192	59	1,251	2,790	594	1,002	4,386
Miscellaneous Products .....	70	31	101	318	108	69	495
<b>Total .....</b>	<b>112,848</b>	<b>9,570</b>	<b>122,418</b>	<b>94,855</b>	<b>20,911</b>	<b>33,055</b>	<b>148,821</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-1,481</b>	<b>41</b>	<b>-1,440</b>	<b>-4,613</b>	<b>-1,102</b>	<b>-1,159</b>	<b>-6,874</b>

See footnotes at end of table.

**Table 29. Refinery and Blender Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	930	8,649	6,604	77	78	16,338	632	2,671	27,448
Natural Gas Liquids .....	518	5,076	4,256	38	79	9,967	573	2,351	18,899
Ethane .....	2	136	13	—	—	151	—	—	151
Propane .....	351	2,476	2,538	10	49	5,424	304	1,190	9,984
Normal Butane .....	298	2,789	1,415	28	31	4,561	255	984	8,905
Isobutane .....	-133	-325	290	—	-1	-169	14	177	-141
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	412	3,573	2,348	39	-1	6,371	59	320	8,549
Ethylene .....	—	8	—	—	—	8	—	—	18
Propylene .....	411	3,525	2,599	39	—	6,574	9	249	8,473
Butylene .....	1	72	-251	—	-1	-179	50	71	29
Isobutylene .....	—	-32	—	—	—	-32	—	—	29
Finished Motor Gasoline .....	20,787	22,018	10,843	9,711	1,900	65,259	9,857	49,304	308,063
Reformulated .....	7,520	6,599	—	—	—	14,119	—	34,726	101,116
Reformulated Blended with Fuel Ethanol .....	7,520	6,599	—	—	—	14,119	—	34,726	101,116
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	13,267	15,419	10,843	9,711	1,900	51,140	9,857	14,578	206,947
Conventional Blended with Fuel Ethanol .....	12,187	1,750	4,404	10,374	1,788	30,503	9,247	14,430	183,212
Ed55 and Lower .....	12,176	1,750	4,404	10,363	1,788	30,481	9,234	14,428	183,053
Greater than Ed55 .....	11	—	—	11	—	22	13	2	159
Conventional Other .....	1,080	13,669	6,439	-663	112	20,637	610	148	23,735
Finished Aviation Gasoline .....	96	37	79	—	—	212	6	97	356
Kerosene-Type Jet Fuel .....	1,397	13,330	11,895	190	—	26,812	1,094	14,342	52,909
Kerosene .....	8	—	-41	2	—	-31	—	-1	71
Distillate Fuel Oil .....	6,675	43,475	36,536	2,449	1,902	91,037	5,955	16,059	158,242
15 ppm sulfur and under .....	6,655	41,425	30,544	2,316	1,902	82,842	5,847	15,663	148,793
Greater than 15 ppm to 500 ppm sulfur .....	-8	305	2,422	59	—	2,778	-1	169	3,000
Greater than 500 ppm sulfur .....	28	1,745	3,570	74	—	5,417	109	227	6,449
Residual Fuel Oil .....	320	1,912	3,893	-153	60	6,032	351	3,121	12,439
Less than 0.31 percent sulfur .....	232	23	857	—	—	1,112	208	4	1,717
0.31 to 1.00 percent sulfur .....	—	115	290	-153	14	266	35	520	1,514
Greater than 1.00 percent sulfur .....	88	1,774	2,746	—	46	4,654	108	2,597	9,208
Petrochemical Feedstocks .....	129	6,133	2,764	—	—	9,026	—	3	10,138
Naphtha for Petro. Feed. Use .....	130	4,171	1,137	—	—	5,438	—	3	6,253
Other Oils for Petro. Feed. Use .....	-1	1,962	1,627	—	—	3,588	—	—	3,885
Special Naphthas .....	85	787	—	257	—	1,129	—	23	1,230
Lubricants .....	36	1,744	1,676	959	—	4,415	—	632	5,720
Waxes .....	—	51	46	23	—	120	—	—	173
Petroleum Coke .....	484	9,250	6,303	120	39	16,196	683	4,389	28,113
Marketable .....	231	7,230	4,935	105	—	12,501	423	3,361	20,924
Catalyst .....	253	2,020	1,368	15	39	3,695	260	1,028	7,189
Asphalt and Road Oil .....	237	356	935	933	32	2,493	1,176	931	10,467
Still Gas .....	816	5,956	4,244	163	77	11,256	711	3,726	21,330
Miscellaneous Products .....	112	971	640	18	51	1,792	128	418	2,934
<b>Total .....</b>	<b>32,112</b>	<b>114,669</b>	<b>86,417</b>	<b>14,749</b>	<b>4,139</b>	<b>252,086</b>	<b>20,593</b>	<b>95,715</b>	<b>639,633</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	<b>-800</b>	<b>-10,570</b>	<b>-8,058</b>	<b>13</b>	<b>-80</b>	<b>-19,495</b>	<b>-839</b>	<b>-5,886</b>	<b>-34,534</b>

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," and EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>30,931</b>	<b>2,932</b>	<b>33,863</b>	<b>74,140</b>	<b>15,744</b>	<b>27,423</b>	<b>117,307</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>353</b>	<b>-</b>	<b>353</b>	<b>1,270</b>	<b>45</b>	<b>878</b>	<b>2,193</b>
Natural Gas Liquids .....	353	-	353	1,270	45	878	2,193
Normal Butane .....	-	-	-	31	-	6	37
Isobutane .....	353	-	353	944	45	459	1,448
Natural Gasoline .....	-	-	-	295	-	413	708
<b>Other Liquids</b> .....	<b>-13,008</b>	<b>129</b>	<b>-12,879</b>	<b>-31,739</b>	<b>-5,741</b>	<b>-11,214</b>	<b>-48,694</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons .....	152	118	270	980	476	282	1,738
Hydrogen .....	88	-	88	681	274	177	1,132
Oxygenates (excluding Fuel Ethanol) .....	-	-	-	-	-	-	-
Methyl Tertiary Butyl Ether (MTBE) .....	-	-	-	-	-	-	-
All Other Oxygenates <sup>1</sup> .....	-	-	-	-	-	-	-
Renewable Fuels (including Fuel Ethanol) .....	64	118	182	260	202	105	567
Fuel Ethanol .....	64	95	159	162	163	99	424
Renewable Diesel Fuel .....	-	23	23	98	39	6	143
Other Renewable Fuels .....	-	-	-	-	-	-	-
Other Hydrocarbons .....	-	-	-	39	-	-	39
Unfinished Oils (net) .....	2,348	-25	2,323	436	-348	44	132
Naphthas and Lighter .....	981	15	996	767	-73	46	740
Kerosene and Light Gas Oils .....	-85	-	-85	405	-91	123	437
Heavy Gas Oils .....	1,110	-38	1,072	-858	-169	26	-1,001
Residuum .....	342	-2	340	122	-15	-151	-44
Motor Gasoline Blend.Comp. (MGBC)(net) .....	-15,508	36	-15,472	-33,155	-5,869	-11,540	-50,564
Reformulated - RBOB .....	-9,156	-	-9,156	-8,823	-	-44	-8,867
Conventional .....	-6,352	36	-6,316	-24,332	-5,869	-11,496	-41,697
CBOB .....	-6,250	29	-6,221	-24,597	-5,782	-11,613	-41,992
GTAB .....	-	-	-	-	-	-	-
Other .....	-102	7	-95	265	-87	117	295
Aviation Gasoline Blend. Comp. (net) .....	-	-	-	-	-	-	-
<b>Total Input to Refineries</b> .....	<b>18,276</b>	<b>3,061</b>	<b>21,337</b>	<b>43,671</b>	<b>10,048</b>	<b>17,087</b>	<b>70,806</b>
<b>Atmospheric Crude Oil Distillation</b>							
Gross Input (daily average) .....	1,031	98	1,129	2,471	528	915	3,914
Operable Capacity (daily average) .....	1,083	98	1,182	2,607	520	884	4,011
Operable Utilization Rate (percent) <sup>2</sup> .....	95.2	99.9	95.6	94.8	101.6	103.5	97.6
<b>Downstream Processing</b>							
<b>Fresh Feed Input (daily average)</b>							
Catalytic Reforming .....	185	18	203	487	65	174	725
Catalytic Cracking .....	403	15	418	766	151	229	1,147
Catalytic Hydrocracking .....	37	-	37	182	61	65	308
Delayed and Fluid Coking .....	41	-	41	334	66	87	487
<b>Crude Oil Qualities</b>							
Sulfur Content, Weighted Average (percent) .....	0.72	1.61	0.80	1.58	1.87	0.81	1.44
API Gravity, Weighted Average (degrees) .....	34.34	33.02	34.22	32.20	28.29	37.41	32.86
<b>Operable Capacity (daily average)</b> .....	<b>1,083</b>	<b>98</b>	<b>1,182</b>	<b>2,607</b>	<b>520</b>	<b>884</b>	<b>4,011</b>
Operating .....	1,083	98	1,182	2,585	520	884	3,989
Idle .....	-	-	-	22	-	-	22
<b>Alaskan Crude Oil Receipts</b> .....	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 30. Refinery Net Input of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels, Except Where Noted) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b> .....	21,860	139,241	103,293	6,880	4,173	275,447	18,335	71,197	516,149
<b>Hydrocarbon Gas Liquids</b> .....	331	4,152	3,699	35	187	8,404	485	2,088	13,523
Natural Gas Liquids .....	331	4,152	3,699	35	187	8,404	485	2,088	13,523
Normal Butane .....	96	787	111	—	—	994	104	647	1,782
Isobutane .....	100	1,789	1,756	33	186	3,864	222	671	6,558
Natural Gasoline .....	135	1,576	1,832	2	1	3,546	159	770	5,183
<b>Other Liquids</b> .....	-8,311	-51,391	-31,331	-1,498	-1,517	-94,048	-4,043	-30,307	-189,971
Hydrogen/Oxygenates/Renewables/									
Other Hydrocarbons .....	270	2,365	2,137	137	96	5,005	523	1,633	9,169
Hydrogen .....	14	2,308	1,810	75	41	4,248	191	1,265	6,924
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	256	57	327	62	55	757	332	368	2,206
Fuel Ethanol .....	211	45	173	35	55	519	278	100	1,480
Renewable Diesel Fuel .....	45	12	154	27	—	238	54	260	718
Other Renewable Fuels .....	—	—	—	—	—	—	—	8	8
Other Hydrocarbons .....	—	—	—	—	—	—	—	—	39
Unfinished Oils (net) .....	-240	-1,330	10,836	-93	53	9,226	300	4,892	16,873
Naphthas and Lighter .....	34	-4,901	229	-37	9	-4,666	82	428	-2,420
Kerosene and Light Gas Oils .....	-125	-2,151	1,476	-19	14	-805	-239	-285	-977
Heavy Gas Oils .....	-52	4,194	7,639	15	30	11,826	598	4,085	16,580
Residuum .....	-97	1,528	1,492	-52	—	2,871	-141	664	3,690
Motor Gasoline Blend.Comp. (MGBBC)(net) .....	-8,341	-52,426	-44,306	-1,542	-1,666	-108,281	-4,866	-36,832	-216,015
Reformulated - RBOB .....	-1,070	-15,478	-8,228	—	-790	-25,566	—	-27,155	-70,744
Conventional .....	-7,271	-36,948	-36,078	-1,542	-876	-82,715	-4,866	-9,677	-145,271
CBOB .....	-7,171	-32,480	-33,343	-1,499	-792	-75,285	-5,116	-10,231	-138,845
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	-100	-4,468	-2,735	-43	-84	-7,430	250	554	-6,426
Aviation Gasoline Blend. Comp. (net) .....	—	—	2	—	—	2	—	—	2
<b>Total Input to Refineries</b> .....	13,880	92,002	75,661	5,417	2,843	189,803	14,777	42,978	339,701
<b>Atmospheric Crude Oil Distillation</b>									
Gross Input (daily average) .....	712	4,683	3,581	213	139	9,329	607	2,533	17,513
Operable Capacity (daily average) .....	731	4,944	3,696	256	124	9,752	692	2,933	18,569
Operable Utilization Rate (percent) <sup>2</sup> .....	97.5	94.7	96.9	83.0	112.6	95.7	87.7	86.4	94.3
<b>Downstream Processing</b>									
<b>Fresh Feed Input (daily average)</b>									
Catalytic Reforming .....	162	706	601	33	28	1,530	98	445	3,000
Catalytic Cracking .....	187	1,364	1,105	17	37	2,711	183	719	5,177
Catalytic Hydrocracking .....	48	549	447	16	18	1,077	24	487	1,934
Delayed and Fluid Coking .....	32	797	560	23	—	1,412	66	414	2,419
<b>Crude Oil Qualities</b>									
Sulfur Content, Weighted Average (percent) .....	0.60	1.64	1.38	1.46	0.69	1.44	1.40	1.38	1.39
API Gravity, Weighted Average (degrees) .....	39.47	31.71	30.84	31.16	40.10	32.09	33.98	28.64	31.98
<b>Operable Capacity (daily average)</b> .....	731	4,944	3,696	256	124	9,752	692	2,933	18,569
Operating .....	731	4,944	3,696	256	124	9,752	682	2,697	18,302
Idle .....	—	—	—	—	—	—	10	235	267
<b>Alaskan Crude Oil Receipts</b> .....	—	—	—	—	—	—	—	15,041	15,041

— = No Data Reported.

NA = Not Available.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

<sup>2</sup> Represents gross input divided by operable calendar day capacity.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	1,705	68	1,773	4,901	473	660	6,034
Natural Gas Liquids .....	1,325	68	1,393	3,815	301	499	4,615
Ethane .....	-	-	-	-	-	-	-
Propane .....	724	26	750	1,613	232	471	2,316
Normal Butane .....	614	57	671	2,225	121	88	2,434
Isobutane .....	-13	-15	-28	-23	-52	-60	-135
Natural Gasoline .....	-	-	-	-	-	-	-
Refinery Olefins .....	380	-	380	1,086	172	161	1,419
Ethylene .....	10	-	10	-	-	-	-
Propylene .....	383	-	383	915	172	171	1,258
Butylene .....	-74	-	-74	171	-	-10	161
Isobutylene .....	61	-	61	-	-	-	-
Finished Motor Gasoline .....	634	1,206	1,840	6,618	2,132	2,944	11,694
Reformulated .....	634	-	634	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	634	-	634	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	-	1,206	1,206	6,618	2,132	2,944	11,694
Conventional Blended with Fuel Ethanol .....	-	956	956	1,647	1,631	1,018	4,296
Ed55 and Lower .....	-	956	956	1,647	1,631	1,018	4,296
Greater than Ed55 .....	-	-	-	-	-	-	-
Conventional Other .....	-	250	250	4,971	501	1,926	7,398
Finished Aviation Gasoline .....	-	-	-	-	41	-	41
Kerosene-Type Jet Fuel .....	2,779	-	2,779	5,884	1,035	965	7,884
Kerosene .....	129	-	129	-35	-	9	-26
Distillate Fuel Oil .....	9,928	769	10,697	18,815	4,442	10,609	33,866
15 ppm sulfur and under .....	9,212	677	9,889	18,736	4,530	10,715	33,981
Greater than 15 ppm to 500 ppm sulfur .....	-8	81	73	-103	9	-78	-172
Greater than 500 ppm sulfur .....	724	11	735	182	-97	-28	57
Residual Fuel Oil .....	1,542	2	1,544	1,102	169	110	1,381
Less than 0.31 percent sulfur .....	325	1	326	67	-	-	67
0.31 to 1.00 percent sulfur .....	514	1	515	118	59	-	177
Greater than 1.00 percent sulfur .....	703	-	703	917	110	110	1,137
Petrochemical Feedstocks .....	115	-	115	964	-	30	994
Naphtha for Petro. Feed. Use .....	115	-	115	697	-	-	697
Other Oils for Petro. Feed. Use .....	-	-	-	267	-	30	297
Special Naphthas .....	-	23	23	45	-	10	55
Lubricants .....	222	205	427	-	-	246	246
Waxes .....	-	11	11	-	-	42	42
Petroleum Coke .....	1,006	19	1,025	4,030	835	955	5,820
Marketable .....	320	-	320	2,930	662	727	4,319
Catalyst .....	686	19	705	1,100	173	228	1,501
Asphalt and Road Oil .....	436	628	1,064	2,858	1,322	597	4,777
Still Gas .....	1,192	59	1,251	2,790	594	1,002	4,386
Miscellaneous Products .....	70	31	101	318	108	69	495
<b>Total .....</b>	<b>19,758</b>	<b>3,021</b>	<b>22,779</b>	<b>48,290</b>	<b>11,151</b>	<b>18,248</b>	<b>77,689</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-1,482	40	-1,442	-4,619	-1,103	-1,161	-6,883

See footnotes at end of table.

**Table 31. Refinery Net Production of Finished Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	930	8,649	6,604	77	78	16,338	632	2,671	27,448
Natural Gas Liquids .....	518	5,076	4,256	38	79	9,967	573	2,351	18,899
Ethane .....	2	136	13	—	—	151	—	—	151
Propane .....	351	2,476	2,538	10	49	5,424	304	1,190	9,984
Normal Butane .....	298	2,789	1,415	28	31	4,561	255	984	8,905
Isobutane .....	-133	-325	290	—	-1	-169	14	177	-141
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Refinery Olefins .....	412	3,573	2,348	39	-1	6,371	59	320	8,549
Ethylene .....	—	8	—	—	—	8	—	—	18
Propylene .....	411	3,525	2,599	39	—	6,574	9	249	8,473
Butylene .....	1	72	-251	—	-1	-179	50	71	29
Isobutylene .....	—	-32	—	—	—	-32	—	—	29
Finished Motor Gasoline .....	3,421	10,026	8,150	429	702	22,728	4,899	2,973	44,134
Reformulated .....	—	—	—	—	—	—	—	657	1,291
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	657	1,291
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	3,421	10,026	8,150	429	702	22,728	4,899	2,316	42,843
Conventional Blended with Fuel Ethanol .....	2,088	454	1,715	340	549	5,146	2,809	314	13,521
Ed55 and Lower .....	2,083	454	1,715	340	549	5,141	2,809	314	13,516
Greater than Ed55 .....	5	—	—	—	—	5	—	—	5
Conventional Other .....	1,333	9,572	6,435	89	153	17,582	2,090	2,002	29,322
Finished Aviation Gasoline .....	96	37	79	—	—	212	6	97	356
Kerosene-Type Jet Fuel .....	1,397	13,330	11,881	190	—	26,798	1,046	14,345	52,852
Kerosene .....	8	—	-43	2	—	-33	—	0	70
Distillate Fuel Oil .....	6,610	43,369	36,550	2,389	1,884	90,802	5,988	15,536	156,889
15 ppm sulfur and under .....	6,590	41,356	30,558	2,256	1,884	82,644	5,880	15,146	147,540
Greater than 15 ppm to 500 ppm sulfur .....	-8	305	2,422	59	—	2,778	-1	169	2,847
Greater than 500 ppm sulfur .....	28	1,708	3,570	74	—	5,380	109	221	6,502
Residual Fuel Oil .....	320	1,912	3,905	-153	60	6,044	351	3,117	12,437
Less than 0.31 percent sulfur .....	232	28	857	—	—	1,117	208	—	1,718
0.31 to 1.00 percent sulfur .....	—	129	290	-153	14	280	35	520	1,527
Greater than 1.00 percent sulfur .....	88	1,755	2,758	—	46	4,647	108	2,597	9,192
Petrochemical Feedstocks .....	129	6,133	2,764	—	—	9,026	—	3	10,138
Naphtha for Petro. Feed. Use .....	130	4,171	1,137	—	—	5,438	—	3	6,253
Other Oils for Petro. Feed. Use .....	-1	1,962	1,627	—	—	3,588	—	—	3,885
Special Naphthas .....	85	787	—	257	—	1,129	—	23	1,230
Lubricants .....	36	1,744	1,676	959	—	4,415	—	632	5,720
Waxes .....	—	51	46	23	—	120	—	—	173
Petroleum Coke .....	484	9,250	6,303	120	39	16,196	683	4,389	28,113
Marketable .....	231	7,230	4,935	105	—	12,501	423	3,361	20,924
Catalyst .....	253	2,020	1,368	15	39	3,695	260	1,028	7,189
Asphalt and Road Oil .....	237	356	923	933	32	2,481	1,176	931	10,429
Still Gas .....	816	5,956	4,244	163	77	11,256	711	3,726	21,330
Miscellaneous Products .....	112	971	640	18	51	1,792	128	418	2,934
<b>Total .....</b>	<b>14,681</b>	<b>102,571</b>	<b>83,722</b>	<b>5,407</b>	<b>2,923</b>	<b>209,304</b>	<b>15,620</b>	<b>48,861</b>	<b>374,253</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	-801	-10,569	-8,061	10	-80	-19,501	-843	-5,883	-34,552

— = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."



**Table 32. Blender Net Inputs of Petroleum Products by PAD District, June 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Hydrocarbon Gas Liquids</b> .....	30	—	30	—	10	72	82
Natural Gas Liquids .....	30	—	30	—	10	72	82
Normal Butane .....	30	—	30	—	8	35	43
Isobutane .....	—	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	2	37	39
<b>Other Liquids</b> .....	93,061	6,550	99,611	46,571	9,751	14,737	71,059
Oxygenates/Renewables .....	9,825	693	10,518	5,085	1,157	1,620	7,862
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	9,825	693	10,518	5,085	1,157	1,620	7,862
Fuel Ethanol .....	9,610	652	10,262	4,869	1,052	1,551	7,472
Renewable Diesel Fuel .....	215	41	256	216	105	69	390
Other Renewable Fuels .....	—	—	—	—	—	—	—
Unfinished Oils (net) .....	1	—	1	21	—	—	21
Naphthas and Lighter .....	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	—	—	—	—	—	—
Heavy Gas Oils .....	1	—	1	—	—	—	—
Residuum .....	—	—	—	21	—	—	21
Motor Gasoline Blend.Comp. (MGBC)(net) .....	83,235	5,857	89,092	41,465	8,594	13,117	63,176
Reformulated - RBOB .....	29,121	270	29,391	7,725	1,377	1,115	10,217
Conventional .....	54,114	5,587	59,701	33,740	7,217	12,002	52,959
CBOB .....	45,578	5,587	51,165	33,687	7,217	12,002	52,906
GTAB .....	2,755	—	2,755	—	—	—	—
Other .....	5,781	—	5,781	53	—	—	53
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—
<b>Total Input</b> .....	93,091	6,550	99,641	46,571	9,761	14,809	71,141

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Hydrocarbon Gas Liquids</b> .....	4	530	3	3	—	540	23	2	677
Natural Gas Liquids .....	4	530	3	3	—	540	23	2	677
Normal Butane .....	2	56	3	3	—	64	5	2	144
Isobutane .....	—	—	—	—	—	—	1	—	1
Natural Gasoline .....	2	474	—	—	—	476	17	—	532
<b>Other Liquids</b> .....	17,428	11,567	2,695	9,342	1,216	42,248	4,954	46,849	264,721
Oxygenates/Renewables .....	1,847	906	271	1,070	142	4,236	671	5,364	28,651
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	1,847	906	271	1,070	142	4,236	671	5,364	28,651
Fuel Ethanol .....	1,782	800	271	1,010	124	3,987	656	4,843	27,220
Renewable Diesel Fuel .....	65	106	—	60	18	249	15	521	1,431
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Unfinished Oils (net) .....	—	—	—	—	—	—	—	—	22
Naphthas and Lighter .....	—	—	—	—	—	—	—	—	—
Kerosene and Light Gas Oils .....	—	—	—	—	—	—	—	—	—
Heavy Gas Oils .....	—	—	—	—	—	—	—	—	1
Residuum .....	—	—	—	—	—	—	—	—	21
Motor Gasoline Blend.Comp. (MGBC)(net) .....	15,581	10,661	2,424	8,272	1,074	38,012	4,283	41,485	236,048
Reformulated - RBOB .....	6,775	4,020	—	—	—	10,795	—	30,617	81,020
Conventional .....	8,806	6,641	2,424	8,272	1,074	27,217	4,283	10,868	155,028
CBOB .....	8,806	-292	1,798	8,235	1,074	19,621	4,282	10,838	138,812
GTAB .....	—	—	—	—	—	—	—	—	2,755
Other .....	—	6,933	626	37	—	7,596	1	30	13,461
Aviation Gasoline Blend. Comp. (net) .....	—	—	—	—	—	—	—	—	—
<b>Total Input</b> .....	17,432	12,097	2,698	9,345	1,216	42,788	4,977	46,851	265,398

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 33. Blender Net Production of Petroleum Products by PAD District, June 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Finished Motor Gasoline .....	92,885	6,508	99,393	46,325	9,653	14,738	70,716
Reformulated .....	40,029	198	40,227	8,645	1,525	1,240	11,410
Reformulated Blended with Fuel Ethanol .....	40,029	198	40,227	8,645	1,525	1,240	11,410
Reformulated Other .....	-	-	-	-	-	-	-
Conventional .....	52,856	6,310	59,166	37,680	8,128	13,498	59,306
Conventional Blended with Fuel Ethanol .....	55,232	6,317	61,549	39,490	8,873	13,868	62,231
Ed55 and Lower .....	55,197	6,317	61,514	39,482	8,848	13,814	62,144
Greater than Ed55 .....	35	-	35	8	25	54	87
Conventional Other .....	-2,376	-7	-2,383	-1,810	-745	-370	-2,925
Finished Aviation Gasoline .....	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	0	-	0	-	-1	-1	-2
Kerosene .....	-	-	-	-	-	-	-
Distillate Fuel Oil .....	193	41	234	219	107	68	394
15 ppm sulfur and under .....	136	41	177	219	107	68	394
Greater than 15 ppm to 500 ppm sulfur .....	47	0	47	-	-	106	106
Greater than 500 ppm sulfur .....	10	-	10	-	-	-106	-106
Residual Fuel Oil .....	11	-	11	-	-	-1	-1
Less than 0.31 percent sulfur .....	-	-	-	-	-	-	-
0.31 to 1.00 percent sulfur .....	1	-	1	-	-	-	-
Greater than 1.00 percent sulfur .....	10	-	10	-	-	-1	-1
Special Naphthas .....	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-
Asphalt and Road Oil .....	1	-	1	21	1	3	25
Miscellaneous Products .....	-	-	-	-	-	-	-
<b>Total Production</b> .....	<b>93,090</b>	<b>6,549</b>	<b>99,639</b>	<b>46,565</b>	<b>9,760</b>	<b>14,807</b>	<b>71,132</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	1	1	2	6	1	2	9

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Finished Motor Gasoline .....	17,366	11,992	2,693	9,282	1,198	42,531	4,958	46,331	263,929
Reformulated .....	7,520	6,599	-	-	-	14,119	-	34,069	99,825
Reformulated Blended with Fuel Ethanol .....	7,520	6,599	-	-	-	14,119	-	34,069	99,825
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	9,846	5,393	2,693	9,282	1,198	28,412	4,958	12,262	164,104
Conventional Blended with Fuel Ethanol .....	10,099	1,296	2,689	10,034	1,239	25,357	6,438	14,116	169,691
Ed55 and Lower .....	10,093	1,296	2,689	10,023	1,239	25,340	6,425	14,114	169,537
Greater than Ed55 .....	6	-	-	11	-	17	13	2	154
Conventional Other .....	-253	4,097	4	-752	-41	3,055	-1,480	-1,854	-5,587
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	-	0	14	-	-	14	48	-3	57
Kerosene .....	-	-	2	-	-	2	-	-1	1
Distillate Fuel Oil .....	65	106	-14	60	18	235	-33	523	1,353
15 ppm sulfur and under .....	65	69	-14	60	18	198	-33	517	1,253
Greater than 15 ppm to 500 ppm sulfur .....	-	-	-	-	-	-	-	-	153
Greater than 500 ppm sulfur .....	-	37	-	-	-	37	-	6	-53
Residual Fuel Oil .....	-	0	-12	-	-	-12	-	4	2
Less than 0.31 percent sulfur .....	-	-5	-	-	-	-5	-	4	-1
0.31 to 1.00 percent sulfur .....	-	-14	-	-	-	-14	-	-	-13
Greater than 1.00 percent sulfur .....	-	19	-12	-	-	7	-	-	16
Special Naphthas .....	-	-	-	-	-	-	-	-	-
Lubricants .....	-	-	-	-	-	-	-	-	-
Asphalt and Road Oil .....	-	-	12	-	-	12	-	-	38
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total Production</b> .....	<b>17,431</b>	<b>12,098</b>	<b>2,695</b>	<b>9,342</b>	<b>1,216</b>	<b>42,782</b>	<b>4,973</b>	<b>46,854</b>	<b>265,380</b>
Processing Gain(-) or Loss(+) <sup>1</sup> .....	1	-1	3	3	0	6	4	-3	18

- = No Data Reported.

<sup>1</sup> Represents the arithmetic difference between input and production.

Note: Refer to Appendix A for Refining District descriptions.

Sources: Energy Information Administration (EIA) Form EIA-815, "Monthly Bulk Terminal and Blender Report."

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels)

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
<b>Crude Oil</b> .....	<b>9,826</b>	<b>838</b>	<b>10,664</b>	<b>10,697</b>	<b>1,852</b>	<b>1,714</b>	<b>14,263</b>
<b>Petroleum Products</b> .....	<b>14,565</b>	<b>2,225</b>	<b>16,790</b>	<b>30,786</b>	<b>7,846</b>	<b>10,679</b>	<b>49,311</b>
Hydrocarbon Gas Liquids .....	784	18	802	3,429	518	1,323	5,270
Natural Gas Liquids .....	627	18	645	2,794	503	1,310	4,607
Ethane .....	—	—	—	—	—	—	—
Propane .....	107	2	109	638	29	725	1,392
Normal Butane .....	421	5	426	1,926	402	197	2,525
Isobutane .....	99	11	110	196	72	136	404
Natural Gasoline .....	—	—	—	34	—	252	286
Refinery Olefins .....	157	0	157	635	15	13	663
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	102	0	102	497	15	7	519
Butylene .....	16	0	16	138	0	6	144
Isobutylene .....	39	0	39	0	0	0	0
Oxygenates/Renewable Fuels/Other Hydrocarbons ...	90	107	197	66	56	28	150
Oxygenates (excluding Fuel Ethanol) .....	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE) .....	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup> .....	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol) .....	90	107	197	45	56	28	129
Fuel Ethanol .....	90	102	192	32	44	24	100
Renewable Diesel Fuel .....	—	5	5	13	12	4	29
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	21	—	—	21
Unfinished Oils .....	4,637	407	5,044	8,906	870	3,813	13,589
Naphthas and Lighter .....	1,088	266	1,354	2,101	143	880	3,124
Kerosene and Light Gas Oils .....	659	—	659	1,877	284	410	2,571
Heavy Gas Oils .....	2,026	132	2,158	3,858	427	1,604	5,889
Residuum .....	864	9	873	1,070	16	919	2,005
Motor Gasoline Blending Components (MGBC) .....	4,981	266	5,247	8,234	1,813	2,769	12,816
Reformulated - RBOB .....	1,373	—	1,373	1,131	14	—	1,145
Conventional .....	3,608	266	3,874	7,103	1,799	2,769	11,671
CBOB .....	721	175	896	2,835	1,091	1,922	5,848
GTAB .....	—	—	—	—	—	—	—
Other .....	2,887	91	2,978	4,268	708	847	5,823
Aviation Gasoline Blending Components .....	—	—	—	—	—	—	—
Finished Motor Gasoline .....	—	28	28	931	93	288	1,312
Reformulated .....	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—
Conventional .....	—	28	28	931	93	288	1,312
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—
Conventional Other .....	—	28	28	931	93	288	1,312
Finished Aviation Gasoline .....	—	—	—	—	86	—	86
Kerosene-Type Jet Fuel .....	511	—	511	1,381	302	262	1,945
Kerosene .....	108	1	109	68	—	22	90
Distillate Fuel Oil .....	2,237	197	2,434	3,689	1,299	1,314	6,302
15 ppm sulfur and under .....	1,635	48	1,683	3,481	1,187	1,216	5,884
Greater than 15 ppm to 500 ppm sulfur .....	32	137	169	—	50	34	84
Greater than 500 ppm sulfur .....	570	12	582	208	62	64	334
Residual Fuel Oil .....	602	24	626	847	123	53	1,023
Less than 0.31 percent sulfur .....	58	22	80	103	—	—	103
0.31 to 1.00 percent sulfur .....	110	2	112	91	9	—	100
Greater than 1.00 percent sulfur .....	434	—	434	653	114	53	820
Petrochemical Feedstocks .....	111	—	111	601	—	—	601
Naphtha for Petro. Feed. Use .....	111	—	111	449	—	—	449
Other Oils for Petro. Feed. Use .....	—	—	—	152	—	—	152
Special Naphthas .....	—	15	15	43	—	16	59
Lubricants .....	360	198	558	—	—	186	186
Waxes .....	—	414	414	—	—	56	56
Petroleum Coke .....	—	—	—	216	426	55	697
Marketable .....	—	—	—	216	426	55	697
Catalyst .....	—	—	—	—	—	—	—
Asphalt and Road Oil .....	132	533	665	2,309	2,245	485	5,039
Miscellaneous Products .....	12	17	29	66	15	9	90
<b>Total Stocks, All Oils</b> .....	<b>24,391</b>	<b>3,063</b>	<b>27,454</b>	<b>41,483</b>	<b>9,698</b>	<b>12,393</b>	<b>63,574</b>

See footnotes at end of table.

**Table 34. Refinery Stocks of Crude Oil and Petroleum Products by PAD and Refining Districts, June 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
<b>Crude Oil</b>	<b>1,712</b>	<b>27,355</b>	<b>17,322</b>	<b>1,301</b>	<b>354</b>	<b>48,044</b>	<b>2,610</b>	<b>23,429</b>	<b>99,010</b>
<b>Petroleum Products</b>	<b>9,442</b>	<b>57,795</b>	<b>47,507</b>	<b>3,986</b>	<b>1,671</b>	<b>120,401</b>	<b>10,037</b>	<b>51,566</b>	<b>248,105</b>
Hydrocarbon Gas Liquids	1,984	2,056	4,625	9	80	8,754	415	1,556	16,797
Natural Gas Liquids	1,487	1,765	3,120	8	79	6,459	371	1,398	13,480
Ethane	164	—	—	—	—	164	—	—	164
Propane	445	397	186	1	2	1,031	59	102	2,693
Normal Butane	702	1,108	1,989	3	60	3,862	194	833	7,840
Isobutane	115	212	703	4	12	1,046	95	459	2,114
Natural Gasoline	61	48	242	—	5	356	23	4	669
Refinery Olefins	497	291	1,505	1	1	2,295	44	158	3,317
Ethylene	0	—	—	—	—	0	—	—	0
Propylene	496	35	238	1	0	770	2	12	1,405
Butylene	1	256	1,267	0	1	1,525	42	146	1,873
Isobutylene	0	0	0	0	0	0	0	0	39
Oxygenates/Renewable Fuels/Other Hydrocarbons	33	65	211	60	12	381	117	314	1,159
Oxygenates (excluding Fuel Ethanol)	—	—	—	—	—	—	—	—	—
Methyl Tertiary Butyl Ether (MTBE)	—	—	—	—	—	—	—	—	—
All Other Oxygenates <sup>1</sup>	—	—	—	—	—	—	—	—	—
Renewable Fuels (including Fuel Ethanol)	33	65	211	60	12	381	117	314	1,138
Fuel Ethanol	27	45	60	20	9	161	105	36	594
Renewable Diesel Fuel	6	20	151	40	3	220	12	254	520
Other Renewable Fuels	—	—	—	—	—	—	—	24	24
Other Hydrocarbons	—	—	—	—	—	—	—	—	21
Unfinished Oils	2,939	21,251	14,628	1,075	703	40,596	2,982	21,002	83,213
Naphthas and Lighter	1,181	6,459	2,421	256	205	10,522	696	3,629	19,325
Kerosene and Light Gas Oils	551	3,736	2,038	255	230	6,810	539	4,215	14,794
Heavy Gas Oils	508	8,971	7,799	469	268	18,015	1,150	10,031	37,243
Residuum	699	2,085	2,370	95	—	5,249	597	3,127	11,851
Motor Gasoline Blending Components (MGBC)	2,182	12,165	12,119	292	396	27,154	2,904	13,139	61,260
Reformulated - RBOB	162	1,192	872	—	—	2,226	—	4,782	9,526
Conventional	2,020	10,973	11,247	292	396	24,928	2,904	8,357	51,734
CBOB	812	3,988	5,691	227	84	10,802	1,573	1,981	21,100
GTAB	—	—	—	—	—	—	—	—	—
Other	1,208	6,985	5,556	65	312	14,126	1,331	6,376	30,634
Aviation Gasoline Blending Components	—	—	7	—	—	7	—	—	7
Finished Motor Gasoline	382	1,549	1,368	20	68	3,387	663	860	6,250
Reformulated	—	—	—	—	—	—	—	20	20
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—	20	20
Reformulated Other	—	—	—	—	—	—	—	—	—
Conventional	382	1,549	1,368	20	68	3,387	663	840	6,230
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	69	—	69
Ed55 and Lower	—	—	—	—	—	—	69	—	69
Greater than Ed55	—	—	—	—	—	—	—	—	—
Conventional Other	382	1,549	1,368	20	68	3,387	594	840	6,161
Finished Aviation Gasoline	30	49	161	—	—	240	9	123	458
Kerosene-Type Jet Fuel	255	2,823	2,174	76	—	5,328	273	3,750	11,807
Kerosene	34	5	41	2	—	82	1	3	285
Distillate Fuel Oil	779	7,385	6,254	427	163	15,008	1,643	5,385	30,772
15 ppm sulfur and under	720	6,763	4,740	328	163	12,714	1,352	4,587	26,220
Greater than 15 ppm to 500 ppm sulfur	23	106	674	23	—	826	174	224	1,477
Greater than 500 ppm sulfur	36	516	840	76	—	1,468	117	574	3,075
Residual Fuel Oil	94	2,154	1,526	68	27	3,869	239	2,456	8,213
Less than 0.31 percent sulfur	7	—	160	—	—	167	33	—	383
0.31 to 1.00 percent sulfur	—	165	83	68	4	320	25	179	736
Greater than 1.00 percent sulfur	87	1,989	1,283	—	23	3,382	181	2,277	7,094
Petrochemical Feedstocks	129	1,771	555	3	—	2,458	—	5	3,175
Naphtha for Petro. Feed. Use	22	1,068	402	3	—	1,495	—	5	2,060
Other Oils for Petro. Feed. Use	107	703	153	—	—	963	—	—	1,115
Special Naphthas	60	644	—	89	—	793	—	51	918
Lubricants	42	2,042	1,504	757	—	4,345	—	624	5,713
Waxes	—	94	117	56	—	267	—	—	737
Petroleum Coke	23	3,366	1,458	—	—	4,847	86	1,582	7,212
Marketable	23	3,366	1,458	—	—	4,847	86	1,582	7,212
Catalyst	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil	421	152	654	1,051	197	2,475	688	611	9,478
Miscellaneous Products	55	224	105	1	25	410	17	105	651
<b>Total Stocks, All Oils</b>	<b>11,154</b>	<b>85,150</b>	<b>64,829</b>	<b>5,287</b>	<b>2,025</b>	<b>168,445</b>	<b>12,647</b>	<b>74,995</b>	<b>347,115</b>

— = No Data Reported.

<sup>1</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Refer to Appendix A for Refining District descriptions.

Source: Energy Information Administration (EIA) Form EIA-810, "Monthly Refinery Report."

Table 35. Percent Yield of Petroleum Products by PAD and Refining Districts, June 2017

Commodity	PAD District 1 - East Coast			PAD District 2 - Midwest			
	East Coast	Appalachian No. 1	Total	Indiana, Illinois, Kentucky	Minnesota, Wisconsin, North and South Dakota	Oklahoma, Kansas, Missouri	Total
Hydrocarbon Gas Liquids .....	5.1	2.3	4.9	6.5	3.0	2.4	5.1
Finished Motor Gasoline <sup>1</sup> .....	47.1	37.0	46.3	50.9	49.7	48.9	50.3
Finished Aviation Gasoline <sup>2</sup> .....	—	—	—	—	0.3	—	0.0
Kerosene-Type Jet Fuel .....	8.3	—	7.7	7.8	6.6	3.5	6.7
Kerosene .....	0.4	—	0.4	-0.1	—	0.0	0.0
Distillate Fuel Oil <sup>3</sup> .....	29.8	25.7	29.4	24.9	28.1	38.4	28.4
Residual Fuel Oil .....	4.6	0.1	4.3	1.5	1.1	0.4	1.2
Naphtha for Petro. Feed. Use .....	0.3	—	0.3	0.9	—	—	0.6
Other Oils for Petro. Feed. Use .....	—	—	—	0.4	—	0.1	0.3
Special Naphthas .....	—	0.8	0.1	0.1	—	0.0	0.1
Lubricants .....	0.7	7.1	1.2	—	—	0.9	0.2
Waxes .....	—	0.4	0.0	—	—	0.2	0.0
Petroleum Coke .....	3.0	0.7	2.8	5.4	5.3	3.5	4.9
Asphalt and Road Oil .....	1.3	21.6	2.9	3.8	8.4	2.2	4.0
Still Gas .....	3.6	2.0	3.5	3.7	3.8	3.6	3.7
Miscellaneous Products .....	0.2	1.1	0.3	0.4	0.7	0.3	0.4
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-4.4	1.4	-4.0	-6.1	-7.0	-4.2	-5.8

Commodity	PAD District 3 - Gulf Coast						PAD District 4 - Rocky Mountain	PAD District 5 - West Coast	U.S. Total
	Texas Inland	Texas Gulf Coast	Louisiana Gulf Coast	North Louisiana, Arkansas	New Mexico	Total			
Hydrocarbon Gas Liquids .....	4.3	6.2	5.7	1.1	1.8	5.7	3.4	3.5	5.1
Finished Motor Gasoline <sup>1</sup> .....	51.9	41.6	41.9	27.7	49.8	42.3	47.8	48.6	45.4
Finished Aviation Gasoline <sup>2</sup> .....	0.4	0.0	0.1	—	—	0.1	0.0	0.1	0.1
Kerosene-Type Jet Fuel .....	6.5	9.5	10.3	2.8	—	9.3	5.6	18.5	9.8
Kerosene .....	0.0	—	0.0	0.0	—	0.0	—	0.0	0.0
Distillate Fuel Oil <sup>3</sup> .....	30.4	30.9	31.4	34.4	44.2	31.4	31.5	19.7	28.9
Residual Fuel Oil .....	1.5	1.4	3.4	-2.2	1.4	2.1	1.9	4.0	2.3
Naphtha for Petro. Feed. Use .....	0.6	3.0	1.0	—	—	1.9	—	0.0	1.2
Other Oils for Petro. Feed. Use .....	0.0	1.4	1.4	—	—	1.2	—	—	0.7
Special Naphthas .....	0.4	0.6	—	3.8	—	0.4	—	0.0	0.2
Lubricants .....	0.2	1.2	1.5	14.0	—	1.5	—	0.8	1.1
Waxes .....	—	0.0	0.0	0.3	—	0.0	—	—	0.0
Petroleum Coke .....	2.2	6.6	5.4	1.8	0.9	5.6	3.6	5.7	5.2
Asphalt and Road Oil .....	1.1	0.3	0.8	13.6	0.8	0.9	6.3	1.2	1.9
Still Gas .....	3.8	4.3	3.7	2.4	1.8	3.9	3.8	4.8	4.0
Miscellaneous Products .....	0.5	0.7	0.6	0.0	1.0	0.6	0.7	0.5	0.5
Processing Gain(-) or Loss(+) <sup>4</sup> .....	-3.7	-7.5	-7.0	0.2	-1.9	-6.8	-4.5	-7.6	-6.4

— = No Data Reported.

<sup>1</sup> Based on net production of finished motor gasoline minus input of natural gas plant liquids, fuel ethanol, oxygenates, and net input of motor gasoline blending components.

<sup>2</sup> Based on finished aviation gasoline net production minus net input of aviation gasoline blending components.

<sup>3</sup> Based on distillate fuel oil net production minus input of biodiesel, "other" renewable diesel fuels, and "other" renewable fuels.

<sup>4</sup> Represents the arithmetic difference between input and production.

Note: Percent yield is calculated as net production (or adjusted net production) divided by input of crude oil, hydrogen, "other" hydrocarbons, and net input of unfinished oils.

Note: Totals may not equal sum of components due to independent rounding.

Note: Refer to Appendix A for Refining District descriptions.

Source: Calculated from data on Tables 30 and 31.

**Table 36. Imports of Residual Fuel Oil by Sulfur Content and by PAD District and State of Entry, June 2017**  
(Thousand Barrels)

PAD District and State of Entry	Residual Fuel Oil			
	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>PAD District 1</b> .....	—	—	<b>1,221</b>	<b>1,221</b>
Connecticut .....	—	—	—	—
Delaware .....	—	—	—	—
Florida .....	—	—	115	115
Georgia .....	—	—	135	135
Maine .....	—	—	—	—
Maryland .....	—	—	—	—
Massachusetts .....	—	—	—	—
New Hampshire .....	—	—	—	—
New Jersey .....	—	—	806	806
New York .....	—	—	164	164
North Carolina .....	—	—	—	—
Pennsylvania .....	—	—	—	—
Rhode Island .....	—	—	—	—
South Carolina .....	—	—	—	—
Vermont .....	—	—	1	1
Virginia .....	—	—	—	—
West Virginia .....	—	—	—	—
<b>PAD District 2</b> .....	—	<b>151</b>	<b>70</b>	<b>221</b>
Illinois .....	—	—	—	—
Indiana .....	—	—	—	—
Michigan .....	—	—	70	70
Minnesota .....	—	151	—	151
North Dakota .....	—	—	—	—
Ohio .....	—	—	—	—
Wisconsin .....	—	—	—	—
<b>PAD District 3</b> .....	<b>252</b>	<b>167</b>	<b>1,594</b>	<b>2,013</b>
Alabama .....	—	—	—	—
Louisiana .....	—	167	25	192
Mississippi .....	—	—	—	—
New Mexico .....	—	—	—	—
Texas .....	252	—	1,569	1,821
<b>PAD District 4</b> .....	—	—	—	—
Idaho .....	—	—	—	—
Montana .....	—	—	—	—
<b>PAD District 5</b> .....	—	—	<b>1,698</b>	<b>1,698</b>
Alaska .....	—	—	—	—
California .....	—	—	1,653	1,653
Hawaii .....	—	—	—	—
Oregon .....	—	—	—	—
Washington .....	—	—	45	45
<b>U.S. Total</b> .....	<b>252</b>	<b>318</b>	<b>4,583</b>	<b>5,153</b>

— = No Data Reported.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."



**Table 37. Imports of Crude Oil and Petroleum Products by PAD District, June 2017**  
(Thousand Barrels, Except Where Noted)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>31,974</b>	<b>66,578</b>	<b>97,344</b>	<b>7,939</b>	<b>36,473</b>	<b>240,308</b>	<b>8,010</b>
<b>Hydrocarbon Gas Liquids</b>	<b>974</b>	<b>1,952</b>	<b>402</b>	<b>277</b>	<b>961</b>	<b>4,566</b>	<b>152</b>
Natural Gas Liquids	674	1,499	199	277	961	3,610	120
Ethane	—	—	—	—	—	—	—
Propane	568	1,103	—	216	896	2,783	93
Normal Butane	50	214	—	9	62	335	11
Isobutane	56	179	30	52	3	320	11
Natural Gasoline	—	3	169	—	—	172	6
Refinery Olefins	300	453	203	—	—	956	32
Ethylene	—	—	—	—	—	—	—
Propylene	300	404	—	—	—	704	23
Butylene	—	49	203	—	—	252	8
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>20,142</b>	<b>545</b>	<b>17,837</b>	<b>79</b>	<b>6,292</b>	<b>44,895</b>	<b>1,497</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	1,284	62	855	1	717	2,919	97
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	452	—	—	452	15
Methyl Tertiary Butyl Ether (MTBE)	—	—	320	—	—	320	11
Other Oxygenates <sup>3</sup>	—	—	132	—	—	132	4
Renewable Fuels (including Fuel Ethanol)	1,284	61	387	1	717	2,450	82
Fuel Ethanol	—	—	—	—	252	252	8
Biomass-Based Diesel Fuel	1,284	61	387	1	3	1,736	58
Other Renewable Diesel Fuel	—	—	—	—	462	462	15
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	—	1	16	—	—	17	1
Unfinished Oils <sup>1</sup>	859	—	15,458	—	3,697	20,014	667
Naphthas and Lighter	125	—	272	—	301	698	23
Kerosene and Lighter Gas Oils	—	—	—	—	—	—	—
Heavy Gas Oils	734	—	9,919	—	2,799	13,452	448
Residuum	—	—	5,267	—	597	5,864	195
Motor Gasoline Blend Comp. (MGBC)	17,999	483	1,524	78	1,878	21,962	732
Reformulated - RBOB	7,833	258	—	—	—	8,091	270
Conventional	10,166	225	1,524	78	1,878	13,871	462
CBOB	910	—	—	—	425	1,335	45
GTAB	3,980	—	—	—	161	4,141	138
Other	5,276	225	1,524	78	1,292	8,395	280
Aviation Gasoline Blend Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>8,014</b>	<b>843</b>	<b>4,263</b>	<b>52</b>	<b>4,249</b>	<b>17,421</b>	<b>581</b>
Finished Motor Gasoline	610	—	—	—	82	692	23
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	610	—	—	—	82	692	23
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	610	—	—	—	82	692	23
Finished Aviation Gasoline	1	4	—	2	5	12	0
Kerosene-Type Jet Fuel	1,662	—	—	1	1,913	3,576	119
Bonded Aircraft Fuel	226	—	—	—	839	1,065	36
Other	1,436	—	—	1	1,074	2,511	84
Kerosene	—	—	—	—	—	—	—
Distillate Fuel Oil	2,745	35	—	30	244	3,054	102
15 ppm sulfur and under	1,774	32	—	30	197	2,033	68
Bonded	—	—	—	—	—	—	—
Other	1,774	32	—	30	197	2,033	68
Greater than 15 ppm to 500 ppm sulfur	39	—	—	—	—	39	1
Bonded	—	—	—	—	—	—	—
Other	39	—	—	—	—	39	1
Greater than 500 ppm to 2000 ppm sulfur	932	3	—	—	47	982	33
Bonded	—	—	—	—	—	—	—
Other	932	3	—	—	47	982	33
Greater than 2000 ppm	—	—	—	—	—	—	—
Bonded	—	—	—	—	—	—	—
Other	—	—	—	—	—	—	—
Residual Fuel Oil	1,221	221	2,013	—	1,698	5,153	172
Less than 0.31 percent sulfur	—	—	252	—	—	252	8
0.31 to 1.00 percent sulfur	—	151	167	—	—	318	11
Greater than 1.00 percent sulfur	1,221	70	1,594	—	1,698	4,583	153
Petrochemical Feedstocks	3	128	1,144	—	—	1,275	43
Naphtha for Petro. Feed. Use	3	60	733	—	—	796	27
Other Oils for Petro. Feed. Use	—	68	411	—	—	479	16
Special Naphthas	—	45	385	—	45	475	16
Lubricants	594	174	581	—	5	1,354	45
Waxes	66	3	7	—	36	112	4
Petroleum Coke (Marketable)	—	11	133	—	46	190	6
Asphalt and Road Oil	1,112	222	—	17	174	1,525	51
Miscellaneous Products	—	—	—	2	1	3	0
<b>Total</b>	<b>61,104</b>	<b>69,918</b>	<b>119,846</b>	<b>8,347</b>	<b>47,975</b>	<b>307,190</b>	<b>10,240</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 38. Year-to-Date Imports of Crude Oil and Petroleum Products by PAD District, January-June 2017**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1,2</sup></b>	<b>162,619</b>	<b>438,863</b>	<b>612,633</b>	<b>50,440</b>	<b>211,901</b>	<b>1,476,456</b>	<b>8,157</b>
<b>Hydrocarbon Gas Liquids</b>	<b>9,653</b>	<b>15,538</b>	<b>2,735</b>	<b>2,053</b>	<b>6,207</b>	<b>36,186</b>	<b>200</b>
Natural Gas Liquids	7,411	12,939	2,102	2,053	6,207	30,712	170
Ethane	—	—	—	—	—	—	—
Propane	6,858	10,850	14	1,844	5,190	24,756	137
Normal Butane	172	892	—	55	932	2,051	11
Isobutane	381	1,170	30	154	85	1,820	10
Natural Gasoline	—	27	2,058	—	—	2,085	12
Refinery Olefins	2,242	2,599	633	—	—	5,474	30
Ethylene	—	—	—	—	—	—	—
Propylene	2,242	2,212	—	—	—	4,454	25
Butylene	—	387	633	—	—	1,020	6
Isobutylene	—	—	—	—	—	—	—
<b>Other Liquids</b>	<b>113,172</b>	<b>1,891</b>	<b>89,051</b>	<b>209</b>	<b>30,072</b>	<b>234,395</b>	<b>1,295</b>
Hydrogen/Oxygenates/Renewables/Other Hydrocarbons	3,387	278	3,378	26	2,976	10,045	55
Hydrogen	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol)	—	—	2,350	—	—	2,350	13
Methyl Tertiary Butyl Ether (MTBE)	—	—	1,600	—	—	1,600	9
Other Oxygenates <sup>3</sup>	—	—	750	—	—	750	4
Renewable Fuels (including Fuel Ethanol)	3,385	246	949	26	2,976	7,582	42
Fuel Ethanol	31	—	—	—	449	480	3
Biomass-Based Diesel Fuel	3,354	246	949	26	230	4,805	27
Other Renewable Diesel Fuel	—	—	—	—	2,297	2,297	13
Other Renewable Fuels	—	—	—	—	—	—	—
Other Hydrocarbons	2	32	79	—	—	113	1
Unfinished Oils <sup>1</sup>	12,628	—	76,804	—	20,403	109,835	607
Naphthas and Lighter	2,397	—	1,645	—	752	4,794	26
Kerosene and Lighter Gas Oils	—	—	366	—	—	366	2
Heavy Gas Oils	6,581	—	54,731	—	17,264	78,576	434
Residuum	3,650	—	20,062	—	2,387	26,099	144
Motor Gasoline Blend Comp. (MGBC)	97,157	1,613	8,869	183	6,693	114,515	633
Reformulated - RBOB	41,190	258	—	—	—	41,448	229
Conventional	55,967	1,355	8,869	183	6,693	73,067	404
CBOB	5,078	253	—	—	2,713	8,044	44
GTAB	16,373	—	704	—	161	17,238	95
Other	34,516	1,102	8,165	183	3,819	47,785	264
Aviation Gasoline Blend Comp.	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b>	<b>57,912</b>	<b>4,536</b>	<b>29,476</b>	<b>636</b>	<b>28,549</b>	<b>121,109</b>	<b>669</b>
Finished Motor Gasoline	5,789	—	—	—	912	6,701	37
Reformulated	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol	—	—	—	—	—	—	—
Reformulated Other	—	—	—	—	—	—	—
Conventional	5,789	—	—	—	912	6,701	37
Conventional Blended with Fuel Ethanol	—	—	—	—	—	—	—
Ed55 and Lower	—	—	—	—	—	—	—
Greater than Ed55	—	—	—	—	—	—	—
Conventional Other	5,789	—	—	—	912	6,701	37
Finished Aviation Gasoline	26	8	—	4	5	43	0
Kerosene-Type Jet Fuel	9,303	5	—	20	15,936	25,264	140
Bonded Aircraft Fuel	1,533	—	—	—	5,303	6,836	38
Other	7,770	5	—	20	10,633	18,428	102
Kerosene	168	—	—	—	—	168	1
Distillate Fuel Oil	22,086	175	1,249	298	1,815	25,623	142
15 ppm sulfur and under	15,146	160	—	298	1,720	17,324	96
Bonded	—	—	—	—	—	—	—
Other	15,146	160	—	298	1,720	17,324	96
Greater than 15 ppm to 500 ppm sulfur	246	—	—	—	—	246	1
Bonded	—	—	—	—	—	—	—
Other	246	—	—	—	—	246	1
Greater than 500 ppm to 2000 ppm sulfur	6,694	4	385	—	95	7,178	40
Bonded	—	—	—	—	—	—	—
Other	6,694	4	385	—	95	7,178	40
Greater than 2000 ppm	—	11	864	—	—	875	5
Bonded	—	—	—	—	—	—	—
Other	—	11	864	—	—	875	5
Residual Fuel Oil	13,465	564	13,064	—	8,550	35,643	197
Less than 0.31 percent sulfur	432	—	1,283	—	—	1,715	9
0.31 to 1.00 percent sulfur	1,754	284	1,052	—	490	3,580	20
Greater than 1.00 percent sulfur	11,279	280	10,729	—	8,060	30,348	168
Petrochemical Feedstocks	6	814	7,352	—	229	8,401	46
Naphtha for Petro. Feed. Use	6	425	5,123	—	197	5,751	32
Other Oils for Petro. Feed. Use	—	389	2,229	—	32	2,650	15
Special Naphthas	—	261	2,126	—	45	2,432	13
Lubricants	1,577	1,220	4,699	—	89	7,585	42
Waxes	413	30	158	—	196	797	4
Petroleum Coke (Marketable)	205	149	828	—	177	1,359	8
Asphalt and Road Oil	4,874	1,310	—	307	594	7,085	39
Miscellaneous Products	—	—	—	7	1	8	0
<b>Total</b>	<b>343,356</b>	<b>460,828</b>	<b>733,895</b>	<b>53,338</b>	<b>276,729</b>	<b>1,868,146</b>	<b>10,321</b>

— = No Data Reported.

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes ethyl tertiary butyl ether (ETBE), tertiary amyl methyl ether (TAME), tertiary butyl alcohol (TBA), and other aliphatic alcohols and ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>99,551</b>	<b>199</b>	<b>-</b>	<b>3,577</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>782</b>	<b>782</b>
Algeria .....	4,956	-	-	1,965	-	-	-	-	-	-
Angola .....	5,327	-	-	-	-	-	-	-	-	-
Ecuador .....	6,346	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	1,634	-	-	-	-	-	-	-	-	-
Gabon .....	304	-	-	133	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	17,085	-	-	516	-	-	-	-	-	-
Kuwait .....	4,851	-	-	-	-	-	-	-	-	-
Libya .....	1,151	-	-	-	-	-	-	-	-	-
Nigeria .....	8,532	-	-	366	-	-	-	-	380	380
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	30,453	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	420	-	-	597	-	-	-	-	-	-
Venezuela .....	18,492	199	-	-	-	-	-	-	402	402
<b>Non-OPEC</b> .....	<b>140,757</b>	<b>3,411</b>	<b>956</b>	<b>16,437</b>	<b>-</b>	<b>692</b>	<b>692</b>	<b>8,091</b>	<b>13,089</b>	<b>21,180</b>
Argentina .....	-	-	-	106	-	-	-	-	178	178
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	648	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	1,506	-	-	-	134	42	176
Brazil .....	4,871	-	-	652	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	98,101	3,339	753	206	-	330	330	4,424	1,377	5,801
Chad .....	1,330	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	9,387	-	-	421	-	-	-	-	200	200
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	106	106
Egypt .....	-	-	-	-	-	-	-	-	66	66
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	11	-	-	-	-	310	310
France .....	-	-	-	515	-	-	-	574	599	1,173
Germany .....	-	-	-	20	-	-	-	93	56	149
Guatemala .....	845	-	-	-	-	-	-	-	-	-
India .....	-	-	-	284	-	-	-	-	2,843	2,843
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	2	148	150
Korea, South .....	-	-	-	-	-	56	56	-	96	96
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	20,280	-	33	109	-	-	-	-	160	160
Netherlands .....	-	-	-	135	-	-	-	607	1,017	1,624
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	2,493	-	-	796	-	-	-	-	30	30
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	1,199	1,199
Russia .....	2,385	-	-	9,989	-	-	-	-	1,957	1,957
Spain .....	-	-	-	125	-	-	-	-	1,208	1,208
Sweden .....	-	-	-	162	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	417	-	-	201	-	-	-	-	-	-
United Kingdom .....	-	-	-	164	-	306	306	2,226	998	3,224
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	72	170	1,035	-	0	0	31	499	530
<b>Total</b> .....	<b>240,308</b>	<b>3,610</b>	<b>956</b>	<b>20,014</b>	<b>-</b>	<b>692</b>	<b>692</b>	<b>8,091</b>	<b>13,871</b>	<b>21,962</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>52,809</b>	<b>-</b>	<b>-</b>	<b>1,113</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	323	—	150	—	473
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	323	—	—	—	323
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	150	—	150
<b>Non-OPEC</b> .....	320	132	252	1,736	462	—	1,710	39	832	—	2,581
Argentina .....	45	—	—	1,630	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	37	—	—	—	—	—	—	—	—	—	—
Brazil .....	107	132	252	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	106	—	—	1,514	39	832	—	2,385
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	121	—	—	—	121
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	26	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	75	—	—	—	75
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	39	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	66	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	462	—	0	0	0	—	0
<b>Total</b> .....	320	132	252	1,736	462	—	2,033	39	982	—	3,054
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	98	—	—	—	401	401
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	10	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	1	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	87	—	—	—	401	401
<b>Non-OPEC</b> .....	—	12	—	3,478	475	252	318	4,182	4,752
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	151	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	7	7
Brazil .....	—	—	—	—	38	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	12	—	765	215	—	151	431	582
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	435	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	1	1
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	81	—	81
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	98	98
Korea, South .....	—	—	—	1,365	90	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	2,629	2,629
Netherlands .....	—	—	—	—	—	—	—	361	361
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	252	22	447	721
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	4	4
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	3	3
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	762	132	0	64	201	265
<b>Total</b> .....	—	12	—	3,576	475	252	318	4,583	5,153
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	1	—	—	—	—	—

See footnotes at end of table.

**Table 39. Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	<b>326</b>	—	—	—	<b>170</b>	<b>525</b>	—	<b>6,551</b>	<b>106,102</b>	<b>3,318</b>	<b>218</b>	<b>3,537</b>
Algeria	326	—	—	—	—	387	—	2,678	7,634	165	89	254
Angola	—	—	—	—	—	—	—	—	5,327	178	—	178
Ecuador	—	—	—	—	—	—	—	10	6,356	212	0	212
Equatorial Guinea	—	—	—	—	—	—	—	—	1,634	54	—	54
Gabon	—	—	—	—	—	—	—	133	437	10	4	15
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	517	17,602	570	17	587
Kuwait	—	—	—	—	—	—	—	—	4,851	162	—	162
Libya	—	—	—	—	—	—	—	—	1,151	38	—	38
Nigeria	—	—	—	—	—	—	—	1,069	9,601	284	36	320
Qatar	—	—	—	—	—	138	—	138	138	—	5	5
Saudi Arabia	—	—	—	—	—	—	—	—	30,453	1,015	—	1,015
United Arab Emirates	—	—	—	—	—	—	—	597	1,017	14	20	34
Venezuela	—	—	—	—	170	—	—	1,409	19,901	616	47	663
<b>Non-OPEC</b>	<b>470</b>	<b>479</b>	<b>112</b>	<b>190</b>	<b>1,355</b>	<b>829</b>	<b>3</b>	<b>60,331</b>	<b>201,088</b>	<b>4,692</b>	<b>2,011</b>	<b>6,703</b>
Argentina	—	43	—	133	—	4	—	2,139	2,139	—	71	71
Aruba	—	—	—	—	—	—	—	151	151	—	5	5
Australia	—	—	—	—	—	—	—	—	648	22	—	22
Bahamas	—	—	—	—	66	—	—	66	66	—	2	2
Bahrain	—	—	—	—	—	127	—	127	127	—	4	4
Belgium	—	—	—	—	—	56	—	1,782	1,782	—	59	59
Brazil	—	—	—	—	—	—	—	1,196	6,067	162	40	202
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—	—	—
Canada	60	68	58	56	985	284	3	16,009	114,110	3,270	534	3,804
Chad	—	—	—	—	—	—	—	—	1,330	44	—	44
China	—	—	43	—	—	—	—	599	599	—	20	20
Colombia	—	—	—	—	1	—	—	622	10,009	313	21	334
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	106	106	—	4	4
Egypt	—	—	—	—	—	—	—	66	66	—	2	2
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	8	—	329	329	—	11	11
France	9	13	—	—	—	6	—	1,716	1,716	—	57	57
Germany	—	—	—	—	—	20	—	216	216	—	7	7
Guatemala	—	—	—	—	—	—	—	—	845	28	—	28
India	—	—	—	—	—	—	—	3,208	3,208	—	107	107
Indonesia	—	—	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	12	—	261	261	—	9	9
Korea, South	—	—	1	—	—	250	—	1,858	1,858	—	62	62
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia	—	—	8	—	65	32	—	180	180	—	6	6
Mexico	306	—	—	—	—	—	—	3,237	23,517	676	108	784
Netherlands	—	—	—	—	—	—	—	2,159	2,159	—	72	72
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	329	—	—	—	—	—	1,155	3,648	83	39	122
Oman	—	—	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	—	—	1,199	1,199	—	40	40
Russia	47	—	—	—	—	1	—	12,715	15,100	80	424	503
Spain	—	—	1	—	238	—	—	1,572	1,572	—	52	52
Sweden	—	—	—	1	—	4	—	171	171	—	6	6
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	201	618	14	7	21
United Kingdom	3	—	—	—	—	24	—	3,790	3,790	—	126	126
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	45	26	1	0	0	1	0	3,501	3,501	0	116	117
<b>Total</b>	<b>796</b>	<b>479</b>	<b>112</b>	<b>190</b>	<b>1,525</b>	<b>1,354</b>	<b>3</b>	<b>66,882</b>	<b>307,190</b>	<b>8,010</b>	<b>2,229</b>	<b>10,240</b>
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	<b>265</b>	—	<b>1,379</b>	<b>54,188</b>	<b>1,760</b>	<b>46</b>	<b>1,806</b>

— = No Data Reported.

Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.



**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>614,735</b>	<b>199</b>	<b>-</b>	<b>26,726</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>5,465</b>	<b>5,465</b>
Algeria .....	16,468	-	-	20,517	-	-	-	-	-	-
Angola .....	16,447	-	-	740	-	-	-	-	287	287
Ecuador .....	39,123	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	2,281	-	-	-	-	-	-	-	-	-
Gabon .....	304	-	-	224	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	107,676	-	-	1,123	-	-	-	-	-	-
Kuwait .....	30,341	-	-	-	-	-	-	-	-	-
Libya .....	5,978	-	-	1,410	-	-	-	-	-	-
Nigeria .....	52,363	-	-	646	-	-	-	-	2,448	2,448
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	214,426	-	-	501	-	-	-	-	-	-
United Arab Emirates .....	1,975	-	-	1,188	-	-	-	-	-	-
Venezuela .....	127,353	199	-	377	-	-	-	-	2,730	2,730
<b>Non-OPEC</b> .....	<b>861,721</b>	<b>30,513</b>	<b>5,474</b>	<b>83,109</b>	<b>-</b>	<b>6,701</b>	<b>6,701</b>	<b>41,448</b>	<b>67,602</b>	<b>109,050</b>
Argentina .....	-	-	-	106	-	-	-	-	604	604
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	648	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	6,642	-	837	837	772	2,216	2,988
Brazil .....	32,601	-	-	948	-	-	-	-	14	14
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	219	-	-	-	-	-	-
Canada .....	625,443	27,292	4,841	1,845	-	2,486	2,486	21,356	12,138	33,494
Chad .....	3,183	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	63,028	-	-	525	-	-	-	-	1,656	1,656
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	46	-	9	9	10	220	230
Egypt .....	1,487	-	-	-	-	-	-	-	259	259
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	67	-	-	-	-	1,532	1,532
France .....	-	-	-	960	-	88	88	3,237	1,460	4,697
Germany .....	-	-	-	314	-	116	116	143	122	265
Guatemala .....	2,173	-	-	-	-	-	-	-	-	-
India .....	-	-	-	2,677	-	8	8	529	8,324	8,853
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	170	-	327	327	87	1,597	1,684
Korea, South .....	-	-	-	-	-	175	175	-	2,555	2,555
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	810	810
Malaysia .....	-	-	-	-	-	-	-	-	175	175
Mexico .....	110,375	600	138	109	-	-	-	-	1,019	1,019
Netherlands .....	-	-	-	2,949	-	399	399	1,981	4,578	6,559
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	4,542	815	-	4,163	-	236	236	975	1,548	2,523
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	307	307	782	3,256	4,038
Russia .....	7,324	-	-	50,388	-	157	157	195	7,633	7,828
Spain .....	-	-	-	1,176	-	114	114	86	6,990	7,076
Sweden .....	-	511	-	759	-	167	167	128	862	990
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	1,779	330	-	1,065	-	2	2	-	510	510
United Kingdom .....	3,871	233	-	909	-	1,273	1,273	11,136	5,218	16,354
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	159	-	-	-	-	-	-	-	-	-
Other .....	5,108	732	495	7,072	-	0	0	31	2,306	2,337
<b>Total</b> .....	<b>1,476,456</b>	<b>30,712</b>	<b>5,474</b>	<b>109,835</b>	<b>-</b>	<b>6,701</b>	<b>6,701</b>	<b>41,448</b>	<b>73,067</b>	<b>114,515</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>354,418</b>	<b>-</b>	<b>-</b>	<b>2,812</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	323	—	319	—	642
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	323	—	—	—	323
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	319	—	319
<b>Non-OPEC</b> .....	1,600	750	480	4,805	2,297	—	17,001	246	6,859	875	24,981
Argentina .....	172	—	—	4,076	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	234	—	—	—	—	—	—	—	—	260	260
Brazil .....	201	750	480	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	729	—	—	13,791	246	5,953	11	20,001
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	293	—	—	—	293
Colombia .....	—	—	—	—	—	—	183	—	70	—	253
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	115	115
Germany .....	161	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	2,254	—	—	114	2,368
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	328	—	—	—	328
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	75	—	—	—	75
Mexico .....	—	—	—	—	—	—	—	—	100	—	100
Netherlands .....	766	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	385	375	760
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	351	—	351
United Kingdom .....	66	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	2,297	—	77	0	0	0	77
<b>Total</b> .....	1,600	750	480	4,805	2,297	—	17,324	246	7,178	875	25,623
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	2,193	37	922	310	2,800	4,032
Algeria .....	—	—	—	—	—	347	—	—	347
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	10	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	15	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	310	—	310
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	8	37	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	2,160	—	575	—	2,800	3,375
<b>Non-OPEC</b> .....	168	43	—	23,071	2,395	793	3,270	27,548	31,611
Argentina .....	—	—	—	—	—	456	—	—	456
Aruba .....	—	—	—	151	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	43	—	—	—	351	351
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	112	112
Brazil .....	—	—	—	13	58	—	298	—	298
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	23	—	3,073	864	85	360	5,023	5,468
Chad .....	—	—	—	6	—	—	—	—	—
China .....	168	—	—	1,856	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	406	1,256	1,662
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	41	—	—	—	—
Germany .....	—	—	—	—	36	—	—	1	1
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	787	—	—	81	1	82
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	444	444
Korea, South .....	—	—	—	14,471	400	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	334	—	709	13,016	13,725
Netherlands .....	—	20	—	—	14	—	—	731	731
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	14	—	—	—	—
Russia .....	—	—	—	32	—	252	71	1,317	1,640
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	274	274
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	321	2,358	2,679
United Kingdom .....	—	—	—	—	—	—	—	3	3
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	2,639	634	0	1,024	2,661	3,685
<b>Total</b> .....	168	43	—	25,264	2,432	1,715	3,580	30,348	35,643
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	23	37	—	—	—	—

See footnotes at end of table.

**Table 40. Year-to-Date Imports of Crude Oil and Petroleum Products into the United States by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	<b>326</b>	<b>—</b>	<b>—</b>	<b>192</b>	<b>591</b>	<b>1,431</b>	<b>—</b>	<b>41,834</b>	<b>656,569</b>	<b>3,396</b>	<b>231</b>	<b>3,627</b>
Algeria	326	—	—	—	—	387	—	21,577	38,045	91	119	210
Angola	—	—	—	—	—	—	—	1,027	17,474	91	6	97
Ecuador	—	—	—	—	—	—	—	10	39,133	216	0	216
Equatorial Guinea	—	—	—	—	—	—	—	—	2,281	13	—	13
Gabon	—	—	—	—	—	—	—	224	528	2	1	3
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	1,138	108,814	595	6	601
Kuwait	—	—	—	—	—	—	—	—	30,341	168	—	168
Libya	—	—	—	—	—	—	—	1,720	7,698	33	10	43
Nigeria	—	—	—	—	—	—	—	3,417	55,780	289	19	308
Qatar	—	—	—	—	—	778	—	778	778	—	4	4
Saudi Arabia	—	—	—	—	—	—	—	546	214,972	1,185	3	1,188
United Arab Emirates	—	—	—	—	—	266	—	1,454	3,429	11	8	19
Venezuela	—	—	—	192	591	—	—	9,943	137,296	704	55	759
<b>Non-OPEC</b>	<b>5,425</b>	<b>2,650</b>	<b>797</b>	<b>1,167</b>	<b>6,494</b>	<b>6,154</b>	<b>8</b>	<b>349,856</b>	<b>1,211,577</b>	<b>4,761</b>	<b>1,933</b>	<b>6,694</b>
Argentina	—	266	—	657	—	14	—	6,351	6,351	—	35	35
Aruba	—	—	—	—	—	—	—	151	151	—	1	1
Australia	—	—	—	—	—	—	—	—	648	4	—	4
Bahamas	—	—	—	—	66	—	—	460	460	—	3	3
Bahrain	—	—	—	—	—	500	—	500	500	—	3	3
Belgium	—	—	—	—	—	90	—	11,163	11,163	—	62	62
Brazil	—	—	21	—	—	—	—	2,798	35,399	180	15	196
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	219	219	—	1	1
Canada	425	389	344	324	5,416	1,914	8	108,968	734,411	3,455	602	4,058
Chad	—	—	—	—	—	—	—	6	3,189	18	0	18
China	—	—	281	—	—	—	—	2,598	2,598	—	14	14
Colombia	921	—	—	—	1	—	—	5,018	68,046	348	28	376
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	285	285	—	2	2
Egypt	—	—	—	—	—	—	—	259	1,746	8	1	10
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	12	—	1,611	1,611	—	9	9
France	9	128	—	—	—	102	—	6,140	6,140	—	34	34
Germany	—	—	16	—	1	247	—	1,165	1,165	—	6	6
Guatemala	—	—	—	—	—	—	—	—	2,173	12	—	12
India	—	—	—	—	—	—	—	14,775	14,775	—	82	82
Indonesia	—	—	—	—	—	442	—	442	442	—	2	2
Italy	—	—	—	—	—	148	—	2,781	2,781	—	15	15
Korea, South	36	—	1	—	—	2,392	—	20,358	20,358	—	112	112
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	810	810	—	4	4
Malaysia	—	—	74	—	135	44	—	503	503	—	3	3
Mexico	1,776	—	—	—	—	—	—	17,801	128,176	610	98	708
Netherlands	151	—	1	—	—	—	—	11,627	11,627	—	64	64
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	1,683	—	—	—	—	—	9,420	13,962	25	52	77
Oman	—	—	—	—	—	65	—	65	65	—	0	0
Portugal	—	—	—	—	—	—	—	4,359	4,359	—	24	24
Russia	47	—	—	—	—	27	—	60,881	68,205	40	336	377
Spain	—	—	6	—	782	—	—	9,154	9,154	—	51	51
Sweden	—	—	—	8	—	14	—	2,723	2,723	—	15	15
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	4,937	6,716	10	27	37
United Kingdom	429	—	—	171	—	104	—	19,542	23,413	21	108	129
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	159	1	—	1
Other	1,631	184	53	7	93	39	0	21,986	27,094	29	124	149
<b>Total</b>	<b>5,751</b>	<b>2,650</b>	<b>797</b>	<b>1,359</b>	<b>7,085</b>	<b>7,585</b>	<b>8</b>	<b>391,690</b>	<b>1,868,146</b>	<b>8,157</b>	<b>2,164</b>	<b>10,321</b>
<b>Persian Gulf<sup>3</sup></b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>1,544</b>	<b>—</b>	<b>4,416</b>	<b>358,834</b>	<b>1,958</b>	<b>24</b>	<b>1,983</b>

— = No Data Reported.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>21,119</b>	—	—	—	—	—	—	—	<b>782</b>	<b>782</b>
Algeria .....	3,956	—	—	—	—	—	—	—	—	—
Angola .....	3,057	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—
Iraq .....	3,024	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—
Libya .....	493	—	—	—	—	—	—	—	—	—
Nigeria .....	8,522	—	—	—	—	—	—	—	380	380
Qatar .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	2,067	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	402	402
<b>Non-OPEC</b> .....	<b>10,855</b>	<b>674</b>	<b>300</b>	<b>859</b>	—	<b>610</b>	<b>610</b>	<b>7,833</b>	<b>9,384</b>	<b>17,217</b>
Argentina .....	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	134	42	176
Brazil .....	286	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—
Canada .....	5,582	674	300	—	—	304	304	4,166	591	4,757
Chad .....	952	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—
Colombia .....	1,221	—	—	—	—	—	—	—	200	200
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	65	65
Egypt .....	—	—	—	—	—	—	—	—	66	66
Estonia .....	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	310	310
France .....	—	—	—	—	—	—	—	574	599	1,173
Germany .....	—	—	—	—	—	—	—	93	32	125
Guatemala .....	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	2,292	2,292
Indonesia .....	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	2	148	150
Korea, South .....	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	607	689	1,296
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
Norway .....	2,093	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	1,199	1,199
Russia .....	721	—	—	385	—	—	—	—	1,547	1,547
Spain .....	—	—	—	125	—	—	—	—	919	919
Sweden .....	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	306	306	2,226	685	2,911
Vietnam .....	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	349	—	0	0	31	0	31
<b>Total</b> .....	<b>31,974</b>	<b>674</b>	<b>300</b>	<b>859</b>	—	<b>610</b>	<b>610</b>	<b>7,833</b>	<b>10,166</b>	<b>17,999</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>5,091</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	323	—	150	—	473
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	323	—	—	—	323
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	150	—	150
<b>Non-OPEC</b> .....	—	—	—	1,284	—	—	1,451	39	782	—	2,272
Argentina .....	—	—	—	1,243	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	41	—	—	1,376	39	782	—	2,197
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	75	—	—	—	75
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	0	—	—	0	0	0	—	0
<b>Total</b> .....	—	—	—	1,284	—	—	1,774	39	932	—	2,745
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.



**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	97	—	—	—	401	401
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	10	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	87	—	—	—	401	401
<b>Non-OPEC</b> .....	—	1	—	1,565	—	—	—	820	820
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	151	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	1	—	765	—	—	—	316	316
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	649	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	164	164
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	340	340
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	0	—	—	—	0	0
<b>Total</b> .....	—	1	—	1,662	—	—	—	1,221	1,221
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 41. PAD District 1 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	170	387	—	2,310	23,429	704	77	781
Algeria .....	—	—	—	—	—	387	—	387	4,343	132	13	145
Angola .....	—	—	—	—	—	—	—	—	3,057	102	—	102
Ecuador .....	—	—	—	—	—	—	—	10	10	—	0	0
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	3,024	101	—	101
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	493	16	—	16
Nigeria .....	—	—	—	—	—	—	—	703	9,225	284	23	308
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	2,067	69	—	69
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	170	—	—	1,210	1,210	—	40	40
<b>Non-OPEC</b> .....	3	—	66	—	942	207	—	26,820	37,675	362	894	1,256
Argentina .....	—	—	—	—	—	2	—	1,245	1,245	—	42	42
Aruba .....	—	—	—	—	—	—	—	151	151	—	5	5
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	66	—	—	66	66	—	2	2
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	48	—	224	224	—	7	7
Brazil .....	—	—	—	—	—	—	—	—	286	10	—	10
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	55	—	685	105	—	10,200	15,782	186	340	526
Chad .....	—	—	—	—	—	—	—	—	952	32	—	32
China .....	—	—	7	—	—	—	—	7	7	—	0	0
Colombia .....	—	—	—	—	—	—	—	200	1,421	41	7	47
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	65	65	—	2	2
Egypt .....	—	—	—	—	—	—	—	66	66	—	2	2
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	310	310	—	10	10
France .....	—	—	—	—	—	6	—	1,179	1,179	—	39	39
Germany .....	—	—	—	—	—	15	—	140	140	—	5	5
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	2,292	2,292	—	76	76
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	3	—	153	153	—	5	5
Korea, South .....	—	—	1	—	—	22	—	672	672	—	22	22
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	1	—	—	—	—	76	76	—	3	3
Mexico .....	—	—	—	—	—	—	—	164	164	—	5	5
Netherlands .....	—	—	—	—	—	—	—	1,296	1,296	—	43	43
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	2,093	70	—	70
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	1,199	1,199	—	40	40
Russia .....	—	—	—	—	—	1	—	2,273	2,994	24	76	100
Spain .....	—	—	1	—	191	—	—	1,236	1,236	—	41	41
Sweden .....	—	—	—	—	—	4	—	4	4	—	0	0
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	3	—	—	—	—	—	—	3,220	3,220	—	107	107
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	1	—	0	1	—	382	382	-1	15	15
<b>Total</b> .....	3	—	66	—	1,112	594	—	29,130	61,104	1,066	971	2,037
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	5,091	170	—	170

— = No Data Reported.

Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>543</b>	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	543	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>66,035</b>	<b>1,499</b>	<b>453</b>	-	-	-	-	<b>258</b>	<b>225</b>	<b>483</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	66,035	1,499	453	-	-	-	-	258	225	483
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	-	-	-	-	0	0	0
<b>Total</b> .....	<b>66,578</b>	<b>1,499</b>	<b>453</b>	-	-	-	-	<b>258</b>	<b>225</b>	<b>483</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>543</b>	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	61	-	-	32	-	3	-	35
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	61	-	-	32	-	3	-	35
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	-	0	-	0
<b>Total</b> .....	-	-	-	61	-	-	32	-	3	-	35
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	4	—	—	45	—	151	70	221
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	4	—	—	45	—	151	70	221
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	—	0	—	0	0	0
<b>Total</b> .....	—	4	—	—	45	—	151	70	221
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 42. PAD District 2 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	543	18	—	18
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	543	18	—	18
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	60	68	3	11	222	174	—	3,340	69,375	2,201	111	2,313
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	60	68	3	10	222	174	—	3,339	69,374	2,201	111	2,312
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	1	—	—	—	1	1	—	0	0
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	0	0	—	0	0	0	0	1
<b>Total</b> .....	60	68	3	11	222	174	—	3,340	69,918	2,219	111	2,331
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	543	18	—	18

— = No Data Reported.

Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.



**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>55,360</b>	<b>199</b>	<b>-</b>	<b>2,589</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
Algeria .....	1,000	-	-	1,574	-	-	-	-	-	-
Angola .....	323	-	-	-	-	-	-	-	-	-
Ecuador .....	618	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	1,634	-	-	-	-	-	-	-	-	-
Gabon .....	304	-	-	133	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	11,423	-	-	516	-	-	-	-	-	-
Kuwait .....	2,405	-	-	-	-	-	-	-	-	-
Libya .....	658	-	-	-	-	-	-	-	-	-
Nigeria .....	10	-	-	366	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	18,493	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	18,492	199	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>41,984</b>	<b>-</b>	<b>203</b>	<b>12,869</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,524</b>	<b>1,524</b>
Argentina .....	-	-	-	106	-	-	-	-	178	178
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	1,506	-	-	-	-	-	-
Brazil .....	2,531	-	-	652	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	12,517	-	-	-	-	-	-	-	-	-
Chad .....	378	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	5,786	-	-	120	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	11	-	-	-	-	-	-
France .....	-	-	-	515	-	-	-	-	-	-
Germany .....	-	-	-	20	-	-	-	-	-	-
Guatemala .....	845	-	-	-	-	-	-	-	-	-
India .....	-	-	-	214	-	-	-	-	551	551
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	19,527	-	33	109	-	-	-	-	160	160
Netherlands .....	-	-	-	135	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	400	-	-	796	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	7,964	-	-	-	-	306	306
Spain .....	-	-	-	-	-	-	-	-	289	289
Sweden .....	-	-	-	50	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	201	-	-	-	-	-	-
United Kingdom .....	-	-	-	164	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	170	306	-	-	-	-	40	40
<b>Total</b> .....	<b>97,344</b>	<b>199</b>	<b>203</b>	<b>15,458</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,524</b>	<b>1,524</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>32,321</b>	<b>-</b>	<b>-</b>	<b>516</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>320</b>	<b>132</b>	—	<b>387</b>	—	—	—	—	—	—	—
Argentina .....	45	—	—	387	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	37	—	—	—	—	—	—	—	—	—	—
Brazil .....	107	132	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	—	—	—	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	26	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	39	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	66	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	0	—	—	—	—	—	—	—
<b>Total</b> .....	<b>320</b>	<b>132</b>	—	<b>387</b>	—	—	—	—	—	—	—
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	—	—	—	—	385	252	167	1,594	2,013
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	7	7
Brazil .....	—	—	—	—	38	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	170	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	1	1
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	81	—	81
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	45	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	1,462	1,462
Netherlands .....	—	—	—	—	—	—	—	10	10
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	252	22	107	381
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	4	4
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	3	3
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	132	0	64	0	64
<b>Total</b> .....	—	—	—	—	385	252	167	1,594	2,013
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 43. PAD District 3 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	<b>326</b>	—	—	—	—	<b>138</b>	—	<b>3,252</b>	<b>58,612</b>	<b>1,845</b>	<b>108</b>	<b>1,954</b>
Algeria .....	326	—	—	—	—	—	—	1,900	2,900	33	63	97
Angola .....	—	—	—	—	—	—	—	—	323	11	—	11
Ecuador .....	—	—	—	—	—	—	—	—	618	21	—	21
Equatorial Guinea .....	—	—	—	—	—	—	—	—	1,634	54	—	54
Gabon .....	—	—	—	—	—	—	—	133	437	10	4	15
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	516	11,939	381	17	398
Kuwait .....	—	—	—	—	—	—	—	—	2,405	80	—	80
Libya .....	—	—	—	—	—	—	—	—	658	22	—	22
Nigeria .....	—	—	—	—	—	—	—	366	376	0	12	13
Qatar .....	—	—	—	—	—	138	—	138	138	—	5	5
Saudi Arabia .....	—	—	—	—	—	—	—	—	18,493	616	—	616
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	199	18,691	616	7	623
<b>Non-OPEC</b> .....	<b>407</b>	<b>411</b>	<b>7</b>	<b>133</b>	—	<b>443</b>	—	<b>19,250</b>	<b>61,234</b>	<b>1,399</b>	<b>642</b>	<b>2,041</b>
Argentina .....	—	43	—	133	—	2	—	894	894	—	30	30
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	127	—	127	127	—	4	4
Belgium .....	—	—	—	—	—	8	—	1,558	1,558	—	52	52
Brazil .....	—	—	—	—	—	—	—	944	3,475	84	31	116
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	—	—	—	170	12,687	417	6	423
Chad .....	—	—	—	—	—	—	—	—	378	13	—	13
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	120	5,906	193	4	197
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	8	—	19	19	—	1	1
France .....	9	13	—	—	—	—	—	537	537	—	18	18
Germany .....	—	—	—	—	—	5	—	52	52	—	2	2
Guatemala .....	—	—	—	—	—	—	—	—	845	28	—	28
India .....	—	—	—	—	—	—	—	846	846	—	28	28
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	9	—	10	10	—	0	0
Korea, South .....	—	—	—	—	—	228	—	273	273	—	9	9
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	7	—	—	32	—	39	39	—	1	1
Mexico .....	306	—	—	—	—	—	—	2,070	21,597	651	69	720
Netherlands .....	—	—	—	—	—	—	—	184	184	—	6	6
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	329	—	—	—	—	—	1,125	1,525	13	38	51
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—	—
Russia .....	47	—	—	—	—	—	—	8,698	8,698	—	290	290
Spain .....	—	—	—	—	—	—	—	289	289	—	10	10
Sweden .....	—	—	—	—	—	—	—	54	54	—	2	2
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	201	201	—	7	7
United Kingdom .....	—	—	—	—	—	24	—	257	257	—	9	9
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	45	26	0	0	—	0	—	783	783	0	25	24
<b>Total</b> .....	<b>733</b>	<b>411</b>	<b>7</b>	<b>133</b>	—	<b>581</b>	—	<b>22,502</b>	<b>119,846</b>	<b>3,245</b>	<b>750</b>	<b>3,995</b>
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	<b>265</b>	—	<b>781</b>	<b>33,102</b>	<b>1,077</b>	<b>26</b>	<b>1,103</b>

— = No Data Reported.

Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	7,939	277	-	-	-	-	-	-	78	78
Canada .....	7,939	277	-	-	-	-	-	-	78	78
Other .....	0	0	-	-	-	-	-	-	0	0
Total .....	7,939	277	-	-	-	-	-	-	78	78
	PAD District 5									
OPEC .....	22,529	-	-	988	-	-	-	-	-	-
Algeria .....	-	-	-	391	-	-	-	-	-	-
Angola .....	1,947	-	-	-	-	-	-	-	-	-
Ecuador .....	5,728	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	2,638	-	-	-	-	-	-	-	-	-
Kuwait .....	2,446	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	9,350	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	420	-	-	597	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	13,944	961	-	2,709	-	82	82	-	1,878	1,878
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	648	-	-	-	-	-	-	-	-	-
Brazil .....	2,054	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	6,028	889	-	206	-	26	26	-	483	483
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	2,380	-	-	301	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	24	24
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	131	131
Korea, South .....	-	-	-	-	-	56	56	-	96	96
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	753	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	328	328
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	197	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	112	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	328	328
United Kingdom .....	-	-	-	-	-	-	-	-	313	313
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	2,081	72	-	1,893	-	0	0	-	175	175
Total .....	36,473	961	-	3,697	-	82	82	-	1,878	1,878
Persian Gulf <sup>3</sup> .....	14,854	-	-	597	-	-	-	-	-	-

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	1	—	—	30	—	—	—	30
Canada .....	—	—	—	1	—	—	30	—	—	—	30
Other .....	—	—	—	0	—	—	0	—	—	—	0
Total .....	—	—	—	1	—	—	30	—	—	—	30
	PAD District 5										
OPEC .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	252	3	462	—	197	—	47	—	244
Argentina .....	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	252	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	3	—	—	76	—	47	—	123
China .....	—	—	—	—	—	—	121	—	—	—	121
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	462	—	0	—	0	—	0
Total .....	—	—	252	3	462	—	197	—	47	—	244
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin						Residual Fuel Oil			
	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC .....	—	—	—	1	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	1	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	2	—	—	—	—	—	—	—
Canada .....	—	2	—	—	—	—	—	—	—
Other .....	—	0	—	0	—	—	—	—	—
Total .....	—	2	—	1	—	—	—	—	—
	PAD District 5								
OPEC .....	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	5	—	1,913	45	—	—	1,698	1,698
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Canada .....	—	5	—	—	—	—	—	45	45
China .....	—	—	—	435	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	762	—	—	—	—	—
Korea, South .....	—	—	—	716	45	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	1,003	1,003
Netherlands .....	—	—	—	—	—	—	—	351	351
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	84	84
Singapore .....	—	—	—	—	—	—	—	117	117
Sweden .....	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	0	0	—	—	98	98
Total .....	—	5	—	1,913	45	—	—	1,698	1,698
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.



**Table 44. PAD District 4 and 5 - Imports of Crude Oil and Petroleum Products by Country of Origin, June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks									Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
	PAD District 4											
OPEC .....	—	—	—	—	—	—	—	1	1	—	0	0
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	1	1	—	0	0
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	—	17	—	2	407	8,346	265	14	278
Canada .....	—	—	—	—	17	—	2	407	8,346	265	14	278
Other .....	—	—	—	—	0	—	0	0	0	0	0	0
Total .....	—	—	—	—	17	—	2	408	8,347	265	14	278
	PAD District 5											
OPEC .....	—	—	—	—	—	—	—	988	23,517	751	33	784
Algeria .....	—	—	—	—	—	—	—	391	391	—	13	13
Angola .....	—	—	—	—	—	—	—	—	1,947	65	—	65
Ecuador .....	—	—	—	—	—	—	—	—	5,728	191	—	191
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	2,638	88	—	88
Kuwait .....	—	—	—	—	—	—	—	—	2,446	82	—	82
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	9,350	312	—	312
United Arab Emirates .....	—	—	—	—	—	—	—	597	1,017	14	20	34
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	36	46	174	5	1	10,514	24,458	465	350	815
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	648	22	—	22
Brazil .....	—	—	—	—	—	—	—	252	2,306	68	8	77
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	46	61	5	1	1,893	7,921	201	63	264
China .....	—	—	36	—	—	—	—	592	592	—	20	20
Colombia .....	—	—	—	—	1	—	—	302	2,682	79	10	89
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	24	24	—	1	1
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	—	—	—	—	893	893	—	30	30
Korea, South .....	—	—	—	—	—	—	—	913	913	—	30	30
Malaysia .....	—	—	—	—	65	—	—	65	65	—	2	2
Mexico .....	—	—	—	—	—	—	—	1,003	1,756	25	33	59
Netherlands .....	—	—	—	—	—	—	—	679	679	—	23	23
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	281	281	—	9	9
Singapore .....	—	—	—	—	—	—	—	579	579	—	19	19
Sweden .....	—	—	—	—	—	—	—	112	112	—	4	4
Taiwan .....	—	—	—	—	—	—	—	328	328	—	11	11
United Kingdom .....	—	—	—	—	—	—	—	313	313	—	10	10
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	47	0	0	2,285	4,366	70	77	145
Total .....	—	—	36	46	174	5	1	11,502	47,975	1,216	383	1,599
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	597	15,451	495	20	515

— = No Data Reported.

Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b>	<b>100,962</b>	—	—	<b>4,354</b>	—	—	—	—	<b>5,176</b>	<b>5,176</b>
Algeria	10,399	—	—	4,074	—	—	—	—	—	—
Angola	10,317	—	—	—	—	—	—	—	287	287
Ecuador	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea	—	—	—	—	—	—	—	—	—	—
Gabon	—	—	—	—	—	—	—	—	—	—
Iran	—	—	—	—	—	—	—	—	—	—
Iraq	12,775	—	—	—	—	—	—	—	—	—
Kuwait	—	—	—	—	—	—	—	—	—	—
Libya	2,623	—	—	—	—	—	—	—	—	—
Nigeria	46,892	—	—	280	—	—	—	—	2,448	2,448
Qatar	—	—	—	—	—	—	—	—	—	—
Saudi Arabia	13,989	—	—	—	—	—	—	—	—	—
United Arab Emirates	—	—	—	—	—	—	—	—	—	—
Venezuela	3,967	—	—	—	—	—	—	—	2,441	2,441
<b>Non-OPEC</b>	<b>61,657</b>	<b>7,411</b>	<b>2,242</b>	<b>8,274</b>	—	<b>5,789</b>	<b>5,789</b>	<b>41,190</b>	<b>50,791</b>	<b>91,981</b>
Argentina	—	—	—	—	—	—	—	—	—	—
Aruba	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	—	—	—	—	—
Belgium	—	—	—	714	—	837	837	772	1,384	2,156
Brazil	8,123	—	—	—	—	—	—	—	—	—
Brunei	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	—	—	—
Canada	35,994	6,481	2,242	194	—	2,026	2,026	21,098	7,874	28,972
Chad	1,903	—	—	—	—	—	—	—	—	—
China	—	—	—	—	—	—	—	—	—	—
Colombia	7,164	—	—	104	—	—	—	—	1,210	1,210
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	9	9	10	179	189
Egypt	1,487	—	—	—	—	—	—	—	259	259
Estonia	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	—	—	—	1,532	1,532
France	—	—	—	—	—	—	—	3,237	1,322	4,559
Germany	—	—	—	75	—	116	116	143	98	241
Guatemala	—	—	—	—	—	—	—	—	—	—
India	—	—	—	—	—	8	8	529	6,754	7,283
Indonesia	—	—	—	—	—	—	—	—	—	—
Italy	—	—	—	—	—	327	327	87	971	1,058
Korea, South	—	—	—	—	—	—	—	—	1,461	1,461
Latvia	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	—	495	495
Malaysia	—	—	—	—	—	—	—	—	175	175
Mexico	397	—	—	—	—	—	—	—	—	—
Netherlands	—	—	—	744	—	356	356	1,981	3,215	5,196
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—
Norway	4,142	419	—	—	—	236	236	975	1,496	2,471
Oman	—	—	—	—	—	—	—	—	—	—
Portugal	—	—	—	—	—	307	307	782	3,256	4,038
Russia	1,441	—	—	3,606	—	36	36	195	7,223	7,418
Spain	—	—	—	981	—	114	114	86	5,651	5,737
Sweden	—	511	—	327	—	167	167	128	862	990
Syria	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	2	2	—	240	240
United Kingdom	645	—	—	271	—	1,248	1,248	11,136	3,898	15,034
Vietnam	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—
Other	361	0	0	1,258	—	0	0	31	1,236	1,267
<b>Total</b>	<b>162,619</b>	<b>7,411</b>	<b>2,242</b>	<b>12,628</b>	—	<b>5,789</b>	<b>5,789</b>	<b>41,190</b>	<b>55,967</b>	<b>97,157</b>
<b>Persian Gulf<sup>3</sup></b>	<b>26,764</b>	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	323	—	319	—	642
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	323	—	—	—	323
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	319	—	319
<b>Non-OPEC</b> .....	—	—	31	3,354	—	—	14,823	246	6,375	—	21,444
Argentina .....	—	—	—	3,127	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	31	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	227	—	—	12,307	246	5,854	—	18,407
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	4	—	—	—	4
Colombia .....	—	—	—	—	—	—	183	—	70	—	253
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	2,254	—	—	—	2,254
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	75	—	—	—	75
Mexico .....	—	—	—	—	—	—	—	—	100	—	100
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	351	—	351
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	—	—	0	0	0	—	0
<b>Total</b> .....	—	—	31	3,354	—	—	15,146	246	6,694	—	22,086
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	2,167	—	347	310	1,801	2,458
Algeria .....	—	—	—	—	—	347	—	—	347
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	10	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	3	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	310	—	310
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	2,154	—	—	—	1,801	1,801
<b>Non-OPEC</b> .....	168	26	—	7,136	—	85	1,444	9,478	11,007
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	151	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	43	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	13	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	6	—	3,073	—	85	76	3,844	4,005
Chad .....	—	—	—	6	—	—	—	—	—
China .....	168	—	—	262	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	406	1,256	1,662
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	787	—	—	—	1	1
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	2,801	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	137	948	1,085
Netherlands .....	—	20	—	—	—	—	—	109	109
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	49	344	393
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	270	270
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	321	2,358	2,679
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	0	—	0	455	348	803
<b>Total</b> .....	168	26	—	9,303	—	432	1,754	11,279	13,465
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	3	—	—	—	—	—

See footnotes at end of table.

**Table 45. PAD District 1 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	192	591	453	—	16,033	116,995	558	89	646
Algeria .....	—	—	—	—	—	387	—	4,808	15,207	57	27	84
Angola .....	—	—	—	—	—	—	—	287	10,604	57	2	59
Ecuador .....	—	—	—	—	—	—	—	10	10	—	0	0
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	3	12,778	71	0	71
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	310	2,933	14	2	16
Nigeria .....	—	—	—	—	—	—	—	3,051	49,943	259	17	276
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	13,989	77	—	77
United Arab Emirates .....	—	—	—	—	—	66	—	66	66	—	0	0
Venezuela .....	—	—	—	192	591	—	—	7,498	11,465	22	41	63
<b>Non-OPEC</b> .....	6	—	413	13	4,283	1,124	—	164,704	226,361	341	910	1,251
Argentina .....	—	—	—	—	—	8	—	3,135	3,135	—	17	17
Aruba .....	—	—	—	—	—	—	—	151	151	—	1	1
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	66	—	—	109	109	—	1	1
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	62	—	3,769	3,769	—	21	21
Brazil .....	—	—	21	—	—	—	—	65	8,188	45	0	45
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	313	6	3,412	658	—	70,022	106,016	199	387	586
Chad .....	—	—	—	—	—	—	—	6	1,909	11	0	11
China .....	—	—	44	—	—	—	—	478	478	—	3	3
Colombia .....	—	—	—	—	—	—	—	3,229	10,393	40	18	57
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	198	198	—	1	1
Egypt .....	—	—	—	—	—	—	—	259	1,746	8	1	10
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	1,532	1,532	—	8	8
France .....	—	—	—	—	—	32	—	4,591	4,591	—	25	25
Germany .....	—	—	16	—	1	48	—	497	497	—	3	3
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	10,333	10,333	—	57	57
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	11	—	1,396	1,396	—	8	8
Korea, South .....	—	—	1	—	—	271	—	4,534	4,534	—	25	25
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	495	495	—	3	3
Malaysia .....	—	—	3	—	—	—	—	253	253	—	1	1
Mexico .....	—	—	—	—	—	—	—	1,185	1,582	2	7	9
Netherlands .....	—	—	1	—	—	—	—	6,426	6,426	—	36	36
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	3,126	7,268	23	17	40
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	4,345	4,345	—	24	24
Russia .....	—	—	—	—	—	20	—	11,475	12,916	8	63	71
Spain .....	—	—	6	—	735	—	—	7,573	7,573	—	42	42
Sweden .....	—	—	—	—	—	13	—	2,278	2,278	—	13	13
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	3,272	3,272	—	18	18
United Kingdom .....	6	—	—	—	—	—	—	16,559	17,204	4	91	95
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	—	8	7	69	1	—	3,413	3,774	1	19	20
<b>Total</b> .....	6	—	413	205	4,874	1,577	—	180,737	343,356	898	999	1,897
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	66	—	69	26,833	148	0	148

— = No Data Reported.

Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>9,269</b>	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	9,218	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	51	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	<b>429,594</b>	<b>12,939</b>	<b>2,599</b>	-	-	-	-	<b>258</b>	<b>1,355</b>	<b>1,613</b>
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	429,096	12,939	2,599	-	-	-	-	258	1,355	1,613
Chad .....	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	498	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	0	0	0	-	-	-	-	0	0	0
<b>Total</b> .....	<b>438,863</b>	<b>12,939</b>	<b>2,599</b>	-	-	-	-	<b>258</b>	<b>1,355</b>	<b>1,613</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>9,218</b>	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
<b>Non-OPEC</b> .....	-	-	-	246	-	-	160	-	4	11	175
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	-	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	246	-	-	160	-	4	11	175
Chad .....	-	-	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-	-
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
France .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Guatemala .....	-	-	-	-	-	-	-	-	-	-	-
India .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	-	-	-	-	-	-	-	-
Korea, South .....	-	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	-	-	-	-	-	-
Spain .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	-	0	-	-	0	-	0	0	0
<b>Total</b> .....	-	-	-	246	-	-	160	-	4	11	175
<b>Persian Gulf<sup>3</sup></b> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.



**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	5	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	5	—	—	—	—	—
<b>Non-OPEC</b> .....	—	8	—	—	261	—	284	280	564
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	8	—	—	261	—	284	280	564
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—
Netherlands .....	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	0	0	—	0	0	0
<b>Total</b> .....	—	8	—	5	261	—	284	280	564
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 46. PAD District 2 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b> .....	—	—	—	—	—	—	—	5	9,274	51	0	51
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	9,218	51	—	51
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	5	56	0	0	0
<b>Non-OPEC</b> .....	425	389	30	149	1,310	1,220	—	21,960	451,554	2,373	121	2,495
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	425	389	30	141	1,310	1,219	—	21,951	451,047	2,371	121	2,492
Chad .....	—	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	498	3	—	3
Netherlands .....	—	—	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	8	—	1	—	9	9	—	0	0
Syria .....	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	0	0	0	0	—	0	0	-1	0	0
<b>Total</b> .....	425	389	30	149	1,310	1,220	—	21,965	460,828	2,425	121	2,546
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	—	—	—	—	9,218	51	—	51

— = No Data Reported.

Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>380,033</b>	<b>199</b>	<b>-</b>	<b>17,685</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>289</b>	<b>289</b>
Algeria .....	6,069	-	-	13,038	-	-	-	-	-	-
Angola .....	1,684	-	-	740	-	-	-	-	-	-
Ecuador .....	3,348	-	-	-	-	-	-	-	-	-
Equatorial Guinea .....	2,281	-	-	-	-	-	-	-	-	-
Gabon .....	304	-	-	224	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	84,799	-	-	1,123	-	-	-	-	-	-
Kuwait .....	19,074	-	-	-	-	-	-	-	-	-
Libya .....	1,239	-	-	725	-	-	-	-	-	-
Nigeria .....	3,334	-	-	366	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	134,566	-	-	501	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	591	-	-	-	-	-	-
Venezuela .....	123,335	199	-	377	-	-	-	-	289	289
<b>Non-OPEC</b> .....	<b>232,600</b>	<b>1,903</b>	<b>633</b>	<b>59,119</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8,580</b>	<b>8,580</b>
Argentina .....	-	-	-	106	-	-	-	-	604	604
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-	-	-	-	-	-	-
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	5,928	-	-	-	-	832	832
Brazil .....	17,531	-	-	897	-	-	-	-	14	14
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	219	-	-	-	-	-	-
Canada .....	69,431	14	-	220	-	-	-	-	71	71
Chad .....	1,280	-	-	-	-	-	-	-	-	-
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	31,089	-	-	120	-	-	-	-	228	228
Congo (Brazzaville) .....	-	-	-	-	-	-	-	-	-	-
Denmark .....	-	-	-	46	-	-	-	-	-	-
Egypt .....	-	-	-	-	-	-	-	-	-	-
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	67	-	-	-	-	-	-
France .....	-	-	-	960	-	-	-	-	138	138
Germany .....	-	-	-	239	-	-	-	-	-	-
Guatemala .....	2,173	-	-	-	-	-	-	-	-	-
India .....	-	-	-	2,432	-	-	-	-	1,570	1,570
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Italy .....	-	-	-	170	-	-	-	-	626	626
Korea, South .....	-	-	-	-	-	-	-	-	-	-
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	315	315
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	104,068	600	138	109	-	-	-	-	1,019	1,019
Netherlands .....	-	-	-	2,205	-	-	-	-	720	720
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	400	396	-	4,163	-	-	-	-	22	22
Oman .....	-	-	-	-	-	-	-	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	-	-
Russia .....	-	-	-	36,153	-	-	-	-	306	306
Spain .....	-	-	-	195	-	-	-	-	1,339	1,339
Sweden .....	-	-	-	320	-	-	-	-	-	-
Syria .....	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago .....	812	-	-	366	-	-	-	-	270	270
United Kingdom .....	3,226	233	-	638	-	-	-	-	363	363
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	2,286	660	495	3,342	-	-	-	-	143	143
<b>Total</b> .....	<b>612,633</b>	<b>2,102</b>	<b>633</b>	<b>76,804</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8,869</b>	<b>8,869</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>238,439</b>	<b>-</b>	<b>-</b>	<b>2,215</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b> .....	—	—	—	—	—	—	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—
<b>Non-OPEC</b> .....	<b>1,600</b>	<b>750</b>	<b>—</b>	<b>949</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>385</b>	<b>864</b>	<b>1,249</b>
Argentina .....	172	—	—	949	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	234	—	—	—	—	—	—	—	—	260	260
Brazil .....	201	750	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	—	—	—	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	—	—	—	—	—	115	115
Germany .....	161	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	—	—	—	114	114
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	766	—	—	—	—	—	—	—	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Russia .....	—	—	—	—	—	—	—	—	385	375	760
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	—	—	—	—
Syria .....	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—	—	—
United Kingdom .....	66	—	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	0	—	—	—	—	0	0	0
<b>Total</b> .....	<b>1,600</b>	<b>750</b>	<b>—</b>	<b>949</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>385</b>	<b>864</b>	<b>1,249</b>
<b>Persian Gulf<sup>3</sup></b> .....	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
<b>OPEC</b> .....	—	—	—	—	37	575	—	999	1,574
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Equatorial Guinea .....	—	—	—	—	—	—	—	—	—
Gabon .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	37	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	575	—	999	1,574
<b>Non-OPEC</b> .....	—	—	—	—	2,089	708	1,052	9,730	11,490
Argentina .....	—	—	—	—	—	456	—	—	456
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	—	—	—	—	—	—
Bahrain .....	—	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	112	112
Brazil .....	—	—	—	—	58	—	298	—	298
Brunei .....	—	—	—	—	—	—	—	—	—
Cameroon .....	—	—	—	—	—	—	—	—	—
Canada .....	—	—	—	—	603	—	—	—	—
Chad .....	—	—	—	—	—	—	—	—	—
China .....	—	—	—	—	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Congo (Brazzaville) .....	—	—	—	—	—	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—
Estonia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
France .....	—	—	—	—	41	—	—	—	—
Germany .....	—	—	—	—	36	—	—	1	1
Guatemala .....	—	—	—	—	—	—	—	—	—
India .....	—	—	—	—	—	—	81	—	81
Indonesia .....	—	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	355	—	—	—	—
Latvia .....	—	—	—	—	—	—	—	—	—
Lithuania .....	—	—	—	—	—	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	334	—	302	8,627	8,929
Netherlands .....	—	—	—	—	14	—	—	10	10
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	14	—	—	—	—
Russia .....	—	—	—	—	—	252	22	973	1,247
Spain .....	—	—	—	—	—	—	—	—	—
Sweden .....	—	—	—	—	—	—	—	4	4
Syria .....	—	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	3	3
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Yemen .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	—	—	634	0	349	0	349
<b>Total</b> .....	—	—	—	—	2,126	1,283	1,052	10,729	13,064
<b>Persian Gulf<sup>3</sup></b> .....	—	—	—	—	37	—	—	—	—

See footnotes at end of table.

**Table 47. PAD District 3 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks		Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
	Naphtha	Other Oils								Crude Oil	Products	Total
<b>OPEC</b>	<b>326</b>	—	—	—	—	<b>978</b>	—	<b>21,088</b>	<b>401,121</b>	<b>2,100</b>	<b>117</b>	<b>2,216</b>
Algeria	326	—	—	—	—	—	—	13,364	19,433	34	74	107
Angola	—	—	—	—	—	—	—	740	2,424	9	4	13
Ecuador	—	—	—	—	—	—	—	—	3,348	18	—	18
Equatorial Guinea	—	—	—	—	—	—	—	—	2,281	13	—	13
Gabon	—	—	—	—	—	—	—	224	528	2	1	3
Iran	—	—	—	—	—	—	—	—	—	—	—	—
Iraq	—	—	—	—	—	—	—	1,123	85,922	469	6	475
Kuwait	—	—	—	—	—	—	—	—	19,074	105	—	105
Libya	—	—	—	—	—	—	—	725	1,964	7	4	11
Nigeria	—	—	—	—	—	—	—	366	3,700	18	2	20
Qatar	—	—	—	—	—	778	—	778	778	—	4	4
Saudi Arabia	—	—	—	—	—	—	—	538	135,104	743	3	746
United Arab Emirates	—	—	—	—	—	200	—	791	791	—	4	4
Venezuela	—	—	—	—	—	—	—	2,439	125,774	681	13	695
<b>Non-OPEC</b>	<b>4,797</b>	<b>2,229</b>	<b>158</b>	<b>828</b>	—	<b>3,721</b>	—	<b>100,174</b>	<b>332,774</b>	<b>1,285</b>	<b>553</b>	<b>1,839</b>
Argentina	—	266	—	657	—	6	—	3,216	3,216	—	18	18
Aruba	—	—	—	—	—	—	—	—	—	—	—	—
Australia	—	—	—	—	—	—	—	—	—	—	—	—
Bahamas	—	—	—	—	—	—	—	—	—	—	—	—
Bahrain	—	—	—	—	—	500	—	500	500	—	3	3
Belgium	—	—	—	—	—	28	—	7,394	7,394	—	41	41
Brazil	—	—	—	—	—	—	—	2,233	19,764	97	12	109
Brunei	—	—	—	—	—	—	—	—	—	—	—	—
Cameroon	—	—	—	—	—	—	—	219	219	—	1	1
Canada	—	—	—	—	—	—	—	908	70,339	384	5	389
Chad	—	—	—	—	—	—	—	—	1,280	7	—	7
China	—	—	90	—	—	—	—	90	90	—	0	0
Colombia	921	—	—	—	—	—	—	1,269	32,358	172	7	179
Congo (Brazzaville)	—	—	—	—	—	—	—	—	—	—	—	—
Denmark	—	—	—	—	—	—	—	46	46	—	0	0
Egypt	—	—	—	—	—	—	—	—	—	—	—	—
Estonia	—	—	—	—	—	—	—	—	—	—	—	—
Finland	—	—	—	—	—	12	—	79	79	—	0	0
France	9	96	—	—	—	70	—	1,429	1,429	—	8	8
Germany	—	—	—	—	—	199	—	644	644	—	4	4
Guatemala	—	—	—	—	—	—	—	—	2,173	12	—	12
India	—	—	—	—	—	—	—	4,197	4,197	—	23	23
Indonesia	—	—	—	—	—	442	—	442	442	—	2	2
Italy	—	—	—	—	—	137	—	941	941	—	5	5
Korea, South	—	—	—	—	—	2,070	—	2,425	2,425	—	13	13
Latvia	—	—	—	—	—	—	—	—	—	—	—	—
Lithuania	—	—	—	—	—	—	—	315	315	—	2	2
Malaysia	—	—	68	—	—	44	—	112	112	—	1	1
Mexico	1,776	—	—	—	—	—	—	12,905	116,973	575	71	646
Netherlands	151	—	—	—	—	—	—	3,903	3,903	—	22	22
Netherlands Antilles	—	—	—	—	—	—	—	—	—	—	—	—
Norway	—	1,683	—	—	—	—	—	6,264	6,664	2	35	37
Oman	—	—	—	—	—	65	—	65	65	—	0	0
Portugal	—	—	—	—	—	—	—	14	14	—	0	0
Russia	47	—	—	—	—	7	—	38,520	38,520	—	213	213
Spain	—	—	—	—	—	—	—	1,534	1,534	—	8	8
Sweden	—	—	—	—	—	—	—	324	324	—	2	2
Syria	—	—	—	—	—	—	—	—	—	—	—	—
Trinidad and Tobago	—	—	—	—	—	—	—	636	1,448	4	4	8
United Kingdom	423	—	—	171	—	104	—	2,001	5,227	18	11	29
Vietnam	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S.	—	—	—	—	—	—	—	—	—	—	—	—
Yemen	—	—	—	—	—	—	—	—	—	—	—	—
Other	1,470	184	0	0	—	37	—	7,325	9,611	12	41	54
<b>Total</b>	<b>5,123</b>	<b>2,229</b>	<b>158</b>	<b>828</b>	—	<b>4,699</b>	—	<b>121,262</b>	<b>733,895</b>	<b>3,385</b>	<b>670</b>	<b>4,055</b>
<b>Persian Gulf<sup>3</sup></b>	—	—	—	—	—	<b>1,478</b>	—	<b>3,730</b>	<b>242,169</b>	<b>1,317</b>	<b>21</b>	<b>1,338</b>

— = No Data Reported.

Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels)

Country of Origin	Crude Oil <sup>1,2</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils <sup>1</sup>	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reform-ulated	Conven- tional	Total	Reform-ulated	Conven- tional	Total
	PAD District 4									
OPEC .....	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	50,440	2,053	-	-	-	-	-	-	183	183
Canada .....	50,440	2,053	-	-	-	-	-	-	183	183
Other .....	0	0	-	-	-	-	-	-	0	0
Total .....	50,440	2,053	-	-	-	-	-	-	183	183
	PAD District 5									
OPEC .....	124,471	-	-	4,687	-	-	-	-	-	-
Algeria .....	-	-	-	3,405	-	-	-	-	-	-
Angola .....	4,446	-	-	-	-	-	-	-	-	-
Ecuador .....	35,775	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	10,102	-	-	-	-	-	-	-	-	-
Kuwait .....	11,267	-	-	-	-	-	-	-	-	-
Libya .....	2,116	-	-	685	-	-	-	-	-	-
Nigeria .....	2,137	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	56,653	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	1,975	-	-	597	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	87,430	6,207	-	15,716	-	912	912	-	6,693	6,693
Argentina .....	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-
Australia .....	648	-	-	-	-	-	-	-	-	-
Brazil .....	6,947	-	-	51	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-
Canada .....	40,482	5,805	-	1,431	-	460	460	-	2,655	2,655
China .....	-	-	-	-	-	-	-	-	-	-
Colombia .....	24,775	-	-	301	-	-	-	-	218	218
Finland .....	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	24	24
Indonesia .....	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	-	-	390	390
Korea, South .....	-	-	-	-	-	175	175	-	1,094	1,094
Malaysia .....	-	-	-	-	-	-	-	-	-	-
Mexico .....	5,412	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	43	43	-	643	643
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	1,561	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	112	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	537	537
United Kingdom .....	-	-	-	-	-	25	25	-	957	957
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-
Other .....	9,166	402	-	12,260	-	209	209	-	175	175
Total .....	211,901	6,207	-	20,403	-	912	912	-	6,693	6,693
Persian Gulf <sup>3</sup> .....	79,997	-	-	597	-	-	-	-	-	-

See footnotes at end of table.



**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygen-ates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	Total
	PAD District 4										
OPEC .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	-	-	26	-	-	298	-	-	-	298
Canada .....	-	-	-	26	-	-	298	-	-	-	298
Other .....	-	-	-	0	-	-	0	-	-	-	0
Total .....	-	-	-	26	-	-	298	-	-	-	298
	PAD District 5										
OPEC .....	-	-	-	-	-	-	-	-	-	-	-
Algeria .....	-	-	-	-	-	-	-	-	-	-	-
Angola .....	-	-	-	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-	-
Iraq .....	-	-	-	-	-	-	-	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	-	-	-	-	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-	-	-	-
United Arab Emirates .....	-	-	-	-	-	-	-	-	-	-	-
Venezuela .....	-	-	-	-	-	-	-	-	-	-	-
Non-OPEC .....	-	-	449	230	2,297	-	1,720	-	95	-	1,815
Argentina .....	-	-	-	-	-	-	-	-	-	-	-
Aruba .....	-	-	-	-	-	-	-	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-	-	-	-
Brazil .....	-	-	449	-	-	-	-	-	-	-	-
Brunei .....	-	-	-	-	-	-	-	-	-	-	-
Canada .....	-	-	-	230	-	-	1,026	-	95	-	1,121
China .....	-	-	-	-	-	-	289	-	-	-	289
Colombia .....	-	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-	-	-	-
Germany .....	-	-	-	-	-	-	-	-	-	-	-
Indonesia .....	-	-	-	-	-	-	-	-	-	-	-
Japan .....	-	-	-	-	-	-	77	-	-	-	77
Korea, South .....	-	-	-	-	-	-	328	-	-	-	328
Malaysia .....	-	-	-	-	-	-	-	-	-	-	-
Mexico .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands .....	-	-	-	-	-	-	-	-	-	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-	-
Oman .....	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea .....	-	-	-	-	-	-	-	-	-	-	-
Peru .....	-	-	-	-	-	-	-	-	-	-	-
Singapore .....	-	-	-	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	-	-	-	-	-	-
Taiwan .....	-	-	-	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	-	-	-	-	-	-
Vietnam .....	-	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	-	-	-	-	-	-
Other .....	-	-	0	0	2,297	-	0	-	0	-	0
Total .....	-	-	449	230	2,297	-	1,720	-	95	-	1,815
Persian Gulf <sup>3</sup> .....	-	-	-	-	-	-	-	-	-	-	-

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin			Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil			
						Less than 0.31 % sulfur	0.31 to 1.00 % sulfur	Greater than 1.00 % sulfur	Total
	PAD District 4								
OPEC .....	—	—	—	20	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	12	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	4	—	—	—	—	—	—	—
Canada .....	—	4	—	—	—	—	—	—	—
Other .....	—	0	—	0	—	—	—	—	—
Total .....	—	4	—	20	—	—	—	—	—
	PAD District 5								
OPEC .....	—	—	—	1	—	—	—	—	—
Algeria .....	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	—
Kuwait .....	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	1	—	—	—	—	—
Non-OPEC .....	—	5	—	15,935	45	—	490	8,060	8,550
Argentina .....	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	—	—	—	—	—	—
Brunei .....	—	—	—	—	—	—	—	—	—
Canada .....	—	5	—	—	—	—	—	899	899
China .....	—	—	—	1,594	—	—	—	—	—
Colombia .....	—	—	—	—	—	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—	—
Indonesia .....	—	—	—	—	—	—	—	—	—
Japan .....	—	—	—	2,639	—	—	—	—	—
Korea, South .....	—	—	—	11,670	45	—	—	—	—
Malaysia .....	—	—	—	—	—	—	—	—	—
Mexico .....	—	—	—	—	—	—	270	3,441	3,711
Netherlands .....	—	—	—	—	—	—	—	612	612
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	220	1,357	1,577
Singapore .....	—	—	—	—	—	—	—	673	673
Sweden .....	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	—	—	—	—
United Kingdom .....	—	—	—	—	—	—	—	—	—
Vietnam .....	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—
Other .....	—	0	—	32	0	—	0	1,078	1,078
Total .....	—	5	—	15,936	45	—	490	8,060	8,550
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	—	—

See footnotes at end of table.

**Table 48. PAD District 4 and 5 - Year-to-Date Imports of Crude Oil and Petroleum Products by Country of Origin, January-June 2017**  
(Thousand Barrels) — Continued

Country of Origin	Petrochemical Feedstocks									Daily Average		
	Naphtha	Other Oils								Waxes	Petroleum Coke	Asphalt and Road Oil
	PAD District 4											
OPEC .....	—	—	—	—	—	—	—	20	20	—	0	0
Algeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Angola .....	—	—	—	—	—	—	—	—	—	—	—	—
Ecuador .....	—	—	—	—	—	—	—	—	—	—	—	—
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	12	12	—	0	0
Kuwait .....	—	—	—	—	—	—	—	—	—	—	—	—
Libya .....	—	—	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	—	—	—	—	—	—	—	—	—
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	—	—	—	—
United Arab Emirates .....	—	—	—	—	—	—	—	—	—	—	—	—
Venezuela .....	—	—	—	—	—	—	—	—	—	—	—	—
Non-OPEC .....	—	—	—	—	307	—	7	2,878	53,318	279	16	295
Canada .....	—	—	—	—	307	—	7	2,878	53,318	279	16	295
Other .....	—	—	—	—	0	—	0	0	0	0	0	0
Total .....	—	—	—	—	307	—	7	2,898	53,338	279	16	295
	PAD District 5											
OPEC .....	—	—	—	—	—	—	—	4,688	129,159	688	26	714
Algeria .....	—	—	—	—	—	—	—	3,405	3,405	—	19	19
Angola .....	—	—	—	—	—	—	—	—	4,446	25	—	25
Ecuador .....	—	—	—	—	—	—	—	—	35,775	198	—	198
Iran .....	—	—	—	—	—	—	—	—	—	—	—	—
Iraq .....	—	—	—	—	—	—	—	—	10,102	56	—	56
Kuwait .....	—	—	—	—	—	—	—	—	11,267	62	—	62
Libya .....	—	—	—	—	—	—	—	685	2,801	12	4	15
Nigeria .....	—	—	—	—	—	—	—	—	2,137	12	—	12
Qatar .....	—	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—	56,653	313	—	313
United Arab Emirates .....	—	—	—	—	—	—	—	597	2,572	11	3	14
Venezuela .....	—	—	—	—	—	—	—	1	1	—	0	0
Non-OPEC .....	197	32	196	177	594	89	1	60,140	147,570	483	332	815
Argentina .....	—	—	—	—	—	—	—	—	—	—	—	—
Aruba .....	—	—	—	—	—	—	—	—	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—	648	4	—	4
Brazil .....	—	—	—	—	—	—	—	500	7,447	38	3	41
Brunei .....	—	—	—	—	—	—	—	—	—	—	—	—
Canada .....	—	—	1	177	387	37	1	13,209	53,691	224	73	297
China .....	—	—	147	—	—	—	—	2,030	2,030	—	11	11
Colombia .....	—	—	—	—	1	—	—	520	25,295	137	3	140
Finland .....	—	—	—	—	—	—	—	—	—	—	—	—
Germany .....	—	—	—	—	—	—	—	24	24	—	0	0
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—	—
Japan .....	—	—	45	—	—	1	—	3,152	3,152	—	17	17
Korea, South .....	36	—	—	—	—	51	—	13,399	13,399	—	74	74
Malaysia .....	—	—	3	—	135	—	—	138	138	—	1	1
Mexico .....	—	—	—	—	—	—	—	3,711	9,123	30	21	50
Netherlands .....	—	—	—	—	—	—	—	1,298	1,298	—	7	7
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—	—
Oman .....	—	—	—	—	—	—	—	—	—	—	—	—
Papua New Guinea .....	—	—	—	—	—	—	—	—	—	—	—	—
Peru .....	—	—	—	—	—	—	—	3,138	3,138	—	17	17
Singapore .....	—	—	—	—	—	—	—	2,970	2,970	—	16	16
Sweden .....	—	—	—	—	—	—	—	112	112	—	1	1
Taiwan .....	116	—	—	—	—	—	—	653	653	—	4	4
United Kingdom .....	—	—	—	—	—	—	—	982	982	—	5	5
Vietnam .....	—	—	—	—	—	—	—	—	—	—	—	—
Virgin Islands, U.S. ....	—	—	—	—	—	—	—	—	—	—	—	—
Other .....	45	32	0	0	71	0	0	14,304	23,470	50	79	130
Total .....	197	32	196	177	594	89	1	64,828	276,729	1,171	358	1,529
Persian Gulf <sup>3</sup> .....	—	—	—	—	—	—	—	597	80,594	442	3	445

— = No Data Reported.

Crude oil and unfinished oils are reported by PAD District of processing; all other products are reported by PAD District of Entry.

<sup>2</sup> Includes crude oil imported for storage in the Strategic Petroleum Reserve.

<sup>3</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration (EIA) Form EIA-814, "Monthly Imports Report."

<sup>1</sup> Crude oil and unfinished oils are reported by the PAD District in which they are to be processed; all other products are reported by the PAD District of entry.

**Table 49. Exports of Crude Oil and Petroleum Products by PAD District, June 2017**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>0</b>	<b>6,797</b>	<b>15,807</b>	<b>115</b>	<b>873</b>	<b>23,592</b>	<b>786</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>2,829</b>	<b>8,611</b>	<b>23,414</b>	<b>455</b>	<b>1,436</b>	<b>36,745</b>	<b>1,225</b>
Natural Gas Liquids .....	2,829	8,611	23,414	455	1,436	36,745	1,225
Ethane .....	1,050	1,854	683	—	—	3,586	120
Propane .....	1,326	461	19,531	0	942	22,261	742
Normal Butane .....	323	685	3,100	38	482	4,629	154
Isobutane .....	1	0	77	—	—	78	3
Natural Gasoline .....	129	5,610	23	416	12	6,190	206
Refinery Olefins .....	—	—	—	—	—	—	—
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	—	—	—	—	—	—	—
Butylene .....	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	<b>807</b>	<b>2,196</b>	<b>10,551</b>	<b>10</b>	<b>428</b>	<b>13,992</b>	<b>466</b>
Hydrogen/Oxygenates/Renewables/							
Other Hydrocarbons .....	35	714	4,031	4	68	4,852	162
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	1	0	2,413	—	2	2,416	81
Methyl Tertiary Butyl Ether (MTBE) .....	—	0	1,490	—	0	1,490	50
Other Oxygenates .....	1	0	923	—	2	926	31
Renewable Fuels (including Fuel Ethanol) ...	34	714	1,618	4	65	2,436	81
Fuel Ethanol .....	18	557	1,604	—	30	2,210	74
Biomass-Based Diesel .....	15	157	14	4	35	226	8
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	767	1,479	5,139	5	186	7,577	253
Naphthas and Lighter .....	756	1,475	4,181	5	182	6,599	220
Kerosene and Light Gas Oils .....	11	5	958	0	4	977	33
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	5	3	1,381	0	174	1,563	52
Reformulated .....	1	—	8	—	1	9	0
Conventional .....	5	3	1,373	0	173	1,553	52
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>6,550</b>	<b>850</b>	<b>92,801</b>	<b>46</b>	<b>9,865</b>	<b>110,112</b>	<b>3,670</b>
Finished Motor Gasoline .....	28	42	20,161	1	1,345	21,578	719
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	28	42	20,161	1	1,345	21,578	719
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	303	37	5,803	—	875	7,018	234
Kerosene .....	50	2	53	—	2	108	4
Distillate Fuel Oil .....	3,187	91	41,716	—	2,613	47,608	1,587
15 ppm sulfur and under .....	3,187	1	36,032	—	1,588	40,807	1,360
Greater than 15 ppm to 500 ppm sulfur .....	0	20	2,692	—	168	2,879	96
Greater than 500 ppm sulfur .....	0	71	2,993	—	858	3,922	131
Residual Fuel Oil .....	1,371	258	7,528	17	665	9,838	328
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	210	178	2,979	9	243	3,620	121
Waxes .....	71	25	30	0	6	132	4
Petroleum Coke .....	1,281	57	14,409	—	4,071	19,818	661
Asphalt and Road Oil .....	41	158	111	19	43	372	12
Miscellaneous Products .....	7	1	11	0	0	19	1
<b>Total</b> .....	<b>10,186</b>	<b>18,454</b>	<b>142,573</b>	<b>626</b>	<b>12,601</b>	<b>184,440</b>	<b>6,148</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 50. Year-to-Date Exports of Crude Oil and Petroleum Products by PAD District, January-June 2017**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total	
	1	2	3	4	5	Total	Daily Average
<b>Crude Oil<sup>1</sup></b> .....	<b>4,003</b>	<b>36,606</b>	<b>121,130</b>	<b>504</b>	<b>3,308</b>	<b>165,551</b>	<b>915</b>
<b>Hydrocarbon Gas Liquids</b> .....	<b>23,304</b>	<b>37,048</b>	<b>180,537</b>	<b>2,274</b>	<b>7,848</b>	<b>251,012</b>	<b>1,387</b>
Natural Gas Liquids .....	23,304	37,048	180,537	2,274	7,848	251,012	1,387
Ethane .....	6,698	9,913	11,214	—	0	27,826	154
Propane .....	7,721	1,527	151,129	1	5,670	165,180	913
Normal Butane .....	613	1,990	18,002	156	2,129	22,765	126
Isobutane .....	4	1	882	—	—	882	5
Natural Gasoline .....	8,270	23,636	244	2,118	92	34,360	190
Refinery Olefins .....	—	—	—	—	—	—	—
Ethylene .....	—	—	—	—	—	—	—
Propylene .....	—	—	—	—	—	—	—
Butylene .....	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—
<b>Other Liquids</b> .....	<b>11,306</b>	<b>7,798</b>	<b>65,535</b>	<b>96</b>	<b>3,945</b>	<b>88,679</b>	<b>490</b>
Hydrogen/Oxygenates/Renewables/ .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	331	3,972	24,032	22	1,396	29,753	164
Hydrogen .....	—	—	—	—	—	—	—
Oxygenates (excluding Fuel Ethanol) .....	7	4	12,223	—	10	12,245	68
Methyl Tertiary Butyl Ether (MTBE) .....	0	0	6,771	—	0	6,771	37
Other Oxygenates .....	6	4	5,452	—	10	5,473	30
Renewable Fuels (including Fuel Ethanol) ...	324	3,968	11,809	22	1,386	17,508	97
Fuel Ethanol .....	280	3,346	11,622	0	1,275	16,523	91
Biomass-Based Diesel .....	44	622	187	21	111	985	5
Other Renewable Diesel .....	—	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—	—
Other Hydrocarbons .....	—	—	—	—	—	—	—
Unfinished Oils .....	10,759	3,432	30,157	73	1,048	45,468	251
Naphthas and Lighter .....	10,324	3,393	25,450	73	1,022	40,262	222
Kerosene and Light Gas Oils .....	434	38	4,707	1	25	5,206	29
Heavy Gas Oils .....	—	—	—	—	—	—	—
Residuum .....	—	—	—	—	—	—	—
Motor Gasoline Blend.Comp. (MGBC) .....	217	394	11,346	0	1,501	13,458	74
Reformulated .....	3	0	37	—	4	45	0
Conventional .....	213	393	11,309	0	1,497	13,413	74
Aviation Gasoline Blend. Comp. ....	—	—	—	—	—	—	—
<b>Finished Petroleum Products</b> .....	<b>29,316</b>	<b>8,085</b>	<b>491,488</b>	<b>219</b>	<b>61,734</b>	<b>590,841</b>	<b>3,264</b>
Finished Motor Gasoline .....	2,173	728	111,439	6	9,005	123,351	681
Reformulated .....	—	—	—	—	—	—	—
Conventional .....	2,173	728	111,439	6	9,005	123,351	681
Finished Aviation Gasoline .....	—	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	999	1,381	27,628	—	4,993	35,002	193
Kerosene .....	160	11	420	—	17	608	3
Distillate Fuel Oil .....	12,613	1,476	208,085	—	18,484	240,657	1,330
15 ppm sulfur and under .....	9,917	8	179,890	—	11,311	201,126	1,111
Greater than 15 ppm to 500 ppm sulfur .....	2,595	903	17,957	—	1,293	22,747	126
Greater than 500 ppm sulfur .....	102	564	10,238	—	5,880	16,784	93
Residual Fuel Oil .....	7,530	1,642	41,696	113	3,600	54,581	302
Naphtha for Petro. Feed. Use .....	—	—	—	—	—	—	—
Other Oils for Petro. Feed. Use .....	—	—	—	—	—	—	—
Special Naphthas .....	—	—	—	—	—	—	—
Lubricants .....	1,260	1,052	17,219	61	1,335	20,927	116
Waxes .....	430	146	131	1	36	744	4
Petroleum Coke .....	3,599	1,134	83,285	0	24,073	112,090	619
Asphalt and Road Oil .....	477	512	1,421	37	188	2,635	15
Miscellaneous Products .....	75	2	165	0	2	245	1
<b>Total</b> .....	<b>67,929</b>	<b>89,537</b>	<b>858,690</b>	<b>3,093</b>	<b>76,835</b>	<b>1,096,083</b>	<b>6,056</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, June 2017**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	—	—	—	2	—	19	19	—	0	0
Australia .....	—	559	—	0	—	0	0	—	0	0
Bahamas .....	873	36	—	—	—	320	320	—	0	0
Bahrain .....	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	340	—	3	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	2,543	—	55	—	961	961	—	0	0
Canada .....	10,612	8,864	—	2,242	—	264	264	—	174	174
Cayman Islands .....	—	12	—	—	—	27	27	—	—	—
Chile .....	—	1,365	—	130	—	158	158	—	0	0
China .....	4,208	1,377	—	147	—	2	2	—	0	0
Colombia .....	—	0	—	1,438	—	600	600	—	0	0
Costa Rica .....	—	0	—	0	—	505	505	—	—	—
Denmark .....	—	—	—	—	—	—	—	—	—	—
Dominican Republic .....	—	801	—	0	—	500	500	—	0	0
Ecuador .....	—	435	—	12	—	257	257	—	—	—
Egypt .....	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	143	—	0	—	382	382	—	0	0
Finland .....	—	—	—	—	—	—	—	—	—	—
France .....	—	13	—	35	—	0	0	0	—	0
Germany .....	—	0	—	7	—	—	—	—	1	1
Ghana .....	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	295	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	410	—	0	—	1,389	1,389	—	35	35
Honduras .....	—	263	—	0	—	166	166	—	57	57
Hong Kong .....	—	575	—	0	—	—	—	—	—	—
India .....	—	0	—	7	—	0	0	—	—	—
Indonesia .....	—	235	—	0	—	—	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—	—	—
Israel .....	—	—	—	1	—	—	—	—	0	0
Italy .....	698	—	—	0	—	—	—	—	—	—
Jamaica .....	—	18	—	—	—	4	4	—	—	—
Japan .....	—	4,907	—	126	—	0	0	1	0	1
Korea, South .....	500	2,693	—	35	—	0	0	0	0	0
Lebanon .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	3,262	—	662	—	13,322	13,322	8	1,281	1,288
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	136	—	—	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	1,775	483	—	1,247	—	270	270	—	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	1	—	0	—	—	—	—	—	—
Nicaragua .....	—	—	—	—	—	—	—	—	—	—
Nigeria .....	—	—	—	0	—	—	—	—	—	—
Norway .....	—	787	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—	—	—
Panama .....	—	176	—	—	—	517	517	—	—	—
Peru .....	—	0	—	2	—	303	303	—	—	—
Philippines .....	—	—	—	0	—	—	—	—	0	0
Portugal .....	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	3	—	0	—	223	223	—	1	1
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	3	—	1	1	—	—	—
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	961	2,225	—	12	—	135	135	—	0	0
South Africa .....	—	177	—	0	—	—	—	—	0	0
Spain .....	—	511	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	13	—	—	—	—	1	1
Thailand .....	700	0	—	0	—	—	—	—	—	—
Trinidad and Tobago .....	—	1	—	0	—	0	0	0	0	1
Turkey .....	—	756	—	—	—	—	—	—	0	0
United Arab Emirates .....	—	—	—	6	—	1	1	0	—	0
United Kingdom .....	2,970	1,177	—	155	—	1	1	—	0	0
Venezuela .....	—	—	—	1,232	—	1,085	1,085	—	0	0
Other .....	—	1,461	—	5	—	166	166	—	3	4
<b>Total .....</b>	<b>23,592</b>	<b>36,745</b>	<b>—</b>	<b>7,577</b>	<b>—</b>	<b>21,578</b>	<b>21,578</b>	<b>9</b>	<b>1,553</b>	<b>1,563</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, June 2017**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	—	—	0	—	—	—	1,268	—	651	—	1,918
Australia .....	—	0	0	—	—	—	319	—	0	—	319
Bahamas .....	—	—	0	—	—	—	63	0	454	—	517
Bahrain .....	—	—	—	—	—	—	—	—	—	—	—
Belgium .....	—	0	0	—	—	—	382	—	—	—	382
Belize .....	—	—	—	—	—	—	—	—	—	—	—
Brazil .....	—	0	498	—	—	—	5,506	349	60	—	5,916
Canada .....	—	0	592	207	—	—	1	319	178	—	498
Cayman Islands .....	—	—	—	—	—	—	526	0	—	—	526
Chile .....	212	—	0	—	—	—	2,531	—	—	—	2,531
China .....	0	0	0	—	—	—	1	—	—	—	1
Colombia .....	—	—	24	—	—	—	670	—	—	—	670
Costa Rica .....	—	0	0	—	—	—	1,225	—	—	—	1,225
Denmark .....	—	—	—	—	—	—	48	125	—	—	173
Dominican Republic .....	—	—	1	—	—	—	481	—	208	—	689
Ecuador .....	—	0	—	—	—	—	264	—	—	—	264
Egypt .....	—	—	—	—	—	—	—	—	—	—	—
El Salvador .....	—	—	—	—	—	—	0	284	—	—	284
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	0	—	—	—	—	2,111	—	—	—	2,111
Germany .....	—	0	0	—	—	—	0	—	—	—	0
Ghana .....	—	—	—	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	696	—	—	—	696
Greece .....	—	—	—	—	—	—	—	—	—	—	—
Guatemala .....	—	—	—	—	—	—	2,557	440	554	—	3,551
Honduras .....	—	—	—	—	—	—	166	—	—	—	166
Hong Kong .....	—	—	0	—	—	—	—	—	—	—	—
India .....	—	0	325	—	—	—	0	—	—	—	0
Indonesia .....	—	—	—	—	—	—	—	—	—	—	—
Ireland .....	—	0	1	—	—	—	—	—	—	—	—
Israel .....	—	0	1	—	—	—	0	—	—	—	0
Italy .....	—	0	0	—	—	—	407	—	—	—	407
Jamaica .....	—	—	181	—	—	—	50	—	120	—	170
Japan .....	—	922	3	—	—	—	0	—	—	—	0
Korea, South .....	—	0	186	2	—	—	0	—	40	—	40
Lebanon .....	—	—	—	—	—	—	—	—	—	—	—
Mexico .....	1,026	1	47	3	—	—	7,379	59	37	—	7,475
Montenegro .....	—	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	942	—	—	—	942
Mozambique .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	0	77	1	—	—	3,905	—	—	—	3,905
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	—	0	—	—	—	—	—	—	—	—
Nicaragua .....	—	—	0	1	—	—	—	243	—	—	243
Nigeria .....	—	—	97	—	—	—	—	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—	—	—	—
Pakistan .....	—	0	0	—	—	—	—	—	—	—	—
Panama .....	—	—	0	—	—	—	947	215	118	—	1,280
Peru .....	—	0	51	11	—	—	1,751	250	—	—	2,001
Philippines .....	—	—	13	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	0	1	—	—	—	31	—	—	—	31
Romania .....	—	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	0	—	—	—	0	—	—	—	0
Serbia .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	—	1	108	0	—	—	2,240	—	191	—	2,431
South Africa .....	—	—	—	—	—	—	325	—	—	—	325
Spain .....	—	—	—	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	1	—	—	—	—	—	—	—
Taiwan .....	—	—	0	—	—	—	—	—	—	—	—
Thailand .....	—	0	—	—	—	—	0	—	—	—	0
Trinidad and Tobago .....	—	—	—	—	—	—	—	—	0	—	0
Turkey .....	—	—	—	—	—	—	0	—	—	—	0
United Arab Emirates .....	—	—	—	—	—	—	0	—	—	—	0
United Kingdom .....	—	0	0	—	—	—	1,521	—	—	—	1,521
Venezuela .....	252	—	—	—	—	—	561	—	—	—	561
Other .....	—	2	4	—	—	—	1,933	595	1,311	—	3,839
<b>Total .....</b>	<b>1,490</b>	<b>926</b>	<b>2,210</b>	<b>226</b>	<b>—</b>	<b>—</b>	<b>40,807</b>	<b>2,879</b>	<b>3,922</b>	<b>—</b>	<b>47,608</b>

See footnotes at end of table.



**Table 51. Exports of Crude Oil and Petroleum Products by Destination, June 2017**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	—	—	—	139	—	—	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	53	—	1,229	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	—	—	—
Belize .....	—	—	—	—	—	—	—	—
Brazil .....	—	—	—	380	—	—	—	—
Canada .....	3	—	—	1,356	—	1,149	—	—
Cayman Islands .....	—	—	—	762	—	—	—	—
Chile .....	1	—	—	600	—	—	—	—
China .....	0	—	—	0	—	486	—	—
Colombia .....	—	—	—	0	—	—	—	—
Costa Rica .....	0	—	—	81	—	—	—	—
Denmark .....	—	—	—	—	—	—	—	—
Dominican Republic .....	—	—	—	123	—	90	—	—
Ecuador .....	—	—	—	—	—	423	—	—
Egypt .....	—	—	—	—	—	—	—	—
El Salvador .....	0	—	—	30	—	—	—	—
Finland .....	—	—	—	—	—	—	—	—
France .....	48	—	—	318	—	—	—	—
Germany .....	—	—	—	—	—	—	—	—
Ghana .....	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	—	—	—
Guatemala .....	48	—	—	160	—	29	—	—
Honduras .....	0	—	—	73	—	265	—	—
Hong Kong .....	—	—	—	—	—	0	—	—
India .....	—	—	—	0	—	—	—	—
Indonesia .....	—	—	—	0	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	—	—	—	—	—	—	—	—
Italy .....	—	—	—	—	—	—	—	—
Jamaica .....	0	—	—	130	—	408	—	—
Japan .....	1	—	—	—	—	—	—	—
Korea, South .....	—	—	—	—	—	—	—	—
Lebanon .....	—	—	—	—	—	386	—	—
Mexico .....	6	—	—	828	—	1,596	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	200	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	0	—	—	813	—	700	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—
New Zealand .....	—	—	—	—	—	—	—	—
Nicaragua .....	0	—	—	—	—	—	—	—
Nigeria .....	—	—	—	0	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	—	—	—
Panama .....	0	—	—	540	—	946	—	—
Peru .....	—	—	—	—	—	—	—	—
Philippines .....	—	—	—	—	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	0	—	—	—	—	—	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	—	—	—	—	—	—	—
Serbia .....	—	—	—	—	—	—	—	—
Singapore .....	0	—	—	—	—	1,768	—	—
South Africa .....	—	—	—	—	—	—	—	—
Spain .....	—	—	—	—	—	—	—	—
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	—	—	—	—	—	0	—	—
Thailand .....	—	—	—	—	—	—	—	—
Trinidad and Tobago .....	—	—	—	—	—	—	—	—
Turkey .....	—	—	—	—	—	—	—	—
United Arab Emirates .....	0	—	—	0	—	1	—	—
United Kingdom .....	—	—	—	—	—	1	—	—
Venezuela .....	—	—	—	—	—	125	—	—
Other .....	1	—	—	632	—	36	—	—
<b>Total .....</b>	<b>108</b>	<b>—</b>	<b>—</b>	<b>7,018</b>	<b>—</b>	<b>9,838</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 51. Exports of Crude Oil and Petroleum Products by Destination, June 2017**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	0	0	—	637	—	2,716	2,716	—	91	91
Australia .....	0	122	0	7	—	1,008	1,008	—	34	34
Bahamas .....	—	—	0	4	—	2,161	3,034	29	72	101
Bahrain .....	0	—	—	0	—	0	0	—	0	0
Belgium .....	1	304	—	258	0	1,288	1,288	—	43	43
Belize .....	—	—	—	2	—	2	2	—	0	0
Brazil .....	1	814	—	247	1	11,415	11,415	—	381	381
Canada .....	81	360	229	271	3	16,293	26,905	354	543	897
Cayman Islands .....	—	—	1	2	—	1,329	1,329	—	44	44
Chile .....	1	—	0	103	0	5,102	5,102	—	170	170
China .....	13	760	2	46	0	2,835	7,043	140	94	235
Colombia .....	0	0	—	99	1	2,831	2,831	—	94	94
Costa Rica .....	0	—	—	18	0	1,830	1,830	—	61	61
Denmark .....	—	—	0	200	—	374	374	—	12	12
Dominican Republic .....	1	303	60	29	—	2,597	2,597	—	87	87
Ecuador .....	0	—	0	36	—	1,427	1,427	—	48	48
Egypt .....	—	—	—	14	—	14	14	—	0	0
El Salvador .....	—	—	—	45	—	884	884	—	29	29
Finland .....	—	—	—	1	—	1	1	—	0	0
France .....	0	316	—	65	—	2,908	2,908	—	97	97
Germany .....	2	0	1	46	—	56	56	—	2	2
Ghana .....	—	—	—	0	—	0	0	—	0	0
Gibraltar .....	—	—	—	190	—	886	1,181	10	30	39
Greece .....	—	63	—	0	—	63	63	—	2	2
Guatemala .....	0	182	—	24	—	5,828	5,828	—	194	194
Honduras .....	—	0	0	10	—	1,001	1,001	—	33	33
Hong Kong .....	1	—	0	3	0	580	580	—	19	19
India .....	2	6,083	0	19	0	6,438	6,438	—	215	215
Indonesia .....	0	0	0	1	—	237	237	—	8	8
Ireland .....	0	188	—	0	—	189	189	—	6	6
Israel .....	0	458	—	5	0	465	465	—	16	16
Italy .....	0	615	0	1	—	1,024	1,722	23	34	57
Jamaica .....	0	—	—	17	0	929	929	—	31	31
Japan .....	1	1,666	0	26	2	7,654	7,654	—	255	255
Korea, South .....	0	1,792	1	20	0	4,770	5,270	17	159	176
Lebanon .....	—	121	—	1	—	509	509	—	17	17
Mexico .....	20	1,475	67	617	10	31,704	31,704	—	1,057	1,057
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	0	—	1,278	1,278	—	43	43
Mozambique .....	—	170	—	—	—	170	170	—	6	6
Netherlands .....	4	59	3	60	0	7,621	9,396	59	254	313
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	0	0	—	1	—	2	2	—	0	0
Nicaragua .....	0	—	—	4	—	248	248	—	8	8
Nigeria .....	—	—	—	80	—	178	178	—	6	6
Norway .....	—	68	0	0	0	856	856	—	29	29
Pakistan .....	0	0	0	1	—	1	1	—	0	0
Panama .....	—	—	—	18	0	3,478	3,478	—	116	116
Peru .....	0	179	—	46	0	2,594	2,594	—	86	86
Philippines .....	0	—	—	1	0	15	15	—	1	1
Portugal .....	—	216	—	—	—	216	216	—	7	7
Puerto Rico .....	0	—	0	10	—	270	270	—	9	9
Romania .....	0	—	—	0	—	0	0	—	0	0
Saudi Arabia .....	0	3	0	5	—	13	13	—	0	0
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	0	—	87	—	6,769	7,730	32	226	258
South Africa .....	0	94	—	128	—	724	724	—	24	24
Spain .....	1	713	—	1	—	1,226	1,226	—	41	41
Switzerland .....	—	—	—	0	—	1	1	—	0	0
Taiwan .....	0	0	1	5	—	20	20	—	1	1
Thailand .....	0	—	0	11	0	12	713	23	0	24
Trinidad and Tobago .....	0	0	—	9	—	11	11	—	0	0
Turkey .....	0	1,606	—	1	—	2,363	2,363	—	79	79
United Arab Emirates .....	0	138	0	15	—	162	162	—	5	5
United Kingdom .....	0	303	0	1	0	3,159	6,130	99	105	204
Venezuela .....	—	—	0	2	—	3,258	3,258	—	109	109
Other .....	3	647	7	70	2	6,855	6,853	—	229	228
<b>Total .....</b>	<b>132</b>	<b>19,818</b>	<b>372</b>	<b>3,620</b>	<b>19</b>	<b>160,848</b>	<b>184,440</b>	<b>786</b>	<b>5,362</b>	<b>6,148</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-June 2017**  
(Thousand Barrels)

Destination	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
Argentina .....	806	1	—	237	—	1,197	1,197	—	0	0
Australia .....	223	2,845	—	2	—	2	2	0	0	1
Bahamas .....	2,112	140	—	190	—	1,126	1,126	0	2	2
Bahrain .....	—	—	—	—	—	3	3	1	—	1
Belgium .....	—	544	—	400	—	422	422	—	1	1
Belize .....	—	—	—	0	—	404	404	—	0	0
Brazil .....	—	9,240	—	1,603	—	5,760	5,760	—	163	163
Canada .....	55,512	47,827	—	12,798	—	1,865	1,865	—	2,076	2,076
Cayman Islands .....	—	12	—	0	—	107	107	—	0	0
Chile .....	—	4,922	—	394	—	1,237	1,237	—	1	1
China .....	33,627	24,348	—	2,311	—	56	56	—	5	5
Colombia .....	4,938	168	—	7,969	—	5,542	5,542	—	248	248
Costa Rica .....	—	261	—	19	—	3,372	3,372	—	704	704
Denmark .....	683	—	—	0	—	1	1	—	—	—
Dominican Republic .....	1,285	6,346	—	19	—	1,972	1,972	—	161	161
Ecuador .....	—	2,852	—	35	—	4,677	4,677	0	2	2
Egypt .....	—	2,181	—	2	—	—	—	—	—	—
El Salvador .....	—	1,248	—	3	—	2,075	2,075	—	1	1
Finland .....	—	—	—	—	—	0	0	0	—	0
France .....	3,250	3,094	—	737	—	1	1	9	0	10
Germany .....	—	0	—	24	—	2	2	0	1	1
Ghana .....	—	1,258	—	—	—	326	326	—	0	0
Gibraltar .....	295	—	—	—	—	—	—	—	—	—
Greece .....	—	—	—	—	—	0	0	—	—	—
Guatemala .....	—	1,829	—	45	—	7,754	7,754	—	93	93
Honduras .....	—	1,850	—	3	—	1,987	1,987	—	399	399
Hong Kong .....	732	575	—	2	—	1	1	—	0	0
India .....	1,468	8,209	—	8	—	0	0	0	0	0
Indonesia .....	—	2,149	—	18	—	—	—	0	—	0
Ireland .....	—	—	—	0	—	1	1	—	—	—
Israel .....	—	1	—	2	—	7	7	—	0	0
Italy .....	7,279	235	—	26	—	—	—	—	—	—
Jamaica .....	—	159	—	0	—	709	709	—	0	0
Japan .....	4,975	35,828	—	1,278	—	151	151	2	3	5
Korea, South .....	5,267	19,411	—	1,031	—	210	210	0	1	1
Lebanon .....	—	—	—	—	—	—	—	—	—	—
Mexico .....	—	22,348	—	2,382	—	64,802	64,802	30	8,126	8,156
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	1,417	—	41	—	—	—	—	—	—
Mozambique .....	—	—	—	—	—	—	—	—	—	—
Netherlands .....	13,678	8,624	—	5,259	—	873	873	—	34	34
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	2	—	0	—	1	1	—	0	0
Nicaragua .....	801	0	—	0	—	706	706	—	0	0
Nigeria .....	—	—	—	0	—	631	631	—	—	—
Norway .....	675	6,272	—	—	—	1	1	0	—	0
Pakistan .....	—	—	—	—	—	—	—	—	—	—
Panama .....	425	1,026	—	2	—	4,940	4,940	—	139	139
Peru .....	1,719	2	—	8	—	3,269	3,269	—	246	246
Philippines .....	—	—	—	1	—	—	—	—	0	0
Portugal .....	—	584	—	—	—	1	1	—	—	—
Puerto Rico .....	—	13	—	2	—	230	230	—	9	9
Romania .....	—	—	—	—	—	—	—	—	—	—
Saudi Arabia .....	—	0	—	16	—	2	2	1	—	1
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	6,528	11,664	—	123	—	136	136	—	0	0
South Africa .....	—	179	—	1	—	299	299	—	0	0
Spain .....	1,921	1,767	—	0	—	—	—	—	238	238
Switzerland .....	—	0	—	0	—	458	458	—	0	0
Taiwan .....	—	275	—	1,201	—	2	2	—	4	4
Thailand .....	1,599	1	—	2	—	—	—	—	0	0
Trinidad and Tobago .....	—	3	—	26	—	0	0	0	0	1
Turkey .....	—	2,431	—	0	—	—	—	1	0	1
United Arab Emirates .....	—	0	—	42	—	1	1	0	—	0
United Kingdom .....	10,305	6,599	—	156	—	5	5	0	1	1
Venezuela .....	—	250	—	6,253	—	3,295	3,295	—	577	577
Other .....	5,448	10,022	—	797	—	2,732	2,732	1	178	176
<b>Total .....</b>	<b>165,551</b>	<b>251,012</b>	<b>—</b>	<b>45,468</b>	<b>—</b>	<b>123,351</b>	<b>123,351</b>	<b>45</b>	<b>13,413</b>	<b>13,458</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-June 2017**  
(Thousand Barrels) — Continued

Destination	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
Argentina .....	—	0	2	—	—	—	7,229	642	1,301	—	9,172
Australia .....	0	0	0	—	—	—	319	—	1	—	319
Bahamas .....	—	1	2	—	—	—	847	75	2,124	—	3,046
Bahrain .....	—	—	0	—	—	—	—	—	—	—	—
Belgium .....	42	0	1	0	—	—	970	278	391	—	1,639
Belize .....	—	—	0	—	—	—	0	113	—	—	113
Brazil .....	0	0	6,575	—	—	—	29,760	2,066	224	—	32,049
Canada .....	—	3	3,550	840	—	—	7	2,573	1,079	—	3,659
Cayman Islands .....	—	—	0	—	—	—	1,080	0	—	—	1,080
Chile .....	1,301	0	1	—	—	—	15,525	—	—	—	15,525
China .....	0	1	1	—	—	—	7	—	—	—	7
Colombia .....	—	0	187	—	—	—	4,524	—	—	—	4,524
Costa Rica .....	—	0	1	—	—	—	4,717	—	0	—	4,718
Denmark .....	—	—	—	—	—	—	48	125	—	—	173
Dominican Republic .....	—	—	3	—	—	—	1,826	127	308	—	2,261
Ecuador .....	—	0	0	—	—	—	4,431	1,246	264	—	5,940
Egypt .....	—	0	1	—	—	—	—	—	—	—	—
El Salvador .....	—	—	—	—	—	—	77	1,739	0	—	1,816
Finland .....	—	—	—	—	—	—	—	—	—	—	—
France .....	—	1	4	—	—	—	9,491	329	303	—	10,123
Germany .....	—	0	1	0	—	—	0	—	—	—	0
Ghana .....	—	—	0	—	—	—	—	—	—	—	—
Gibraltar .....	—	—	—	—	—	—	3,413	1,749	634	—	5,796
Greece .....	—	—	1	—	—	—	—	—	—	—	—
Guatemala .....	—	0	0	—	—	—	6,087	2,310	654	—	9,050
Honduras .....	—	—	—	—	—	—	1,527	766	87	—	2,379
Hong Kong .....	—	0	0	—	—	—	1	—	—	—	1
India .....	—	0	2,031	—	—	—	1	—	—	—	1
Indonesia .....	—	0	0	—	—	—	—	—	—	—	—
Ireland .....	—	0	1	—	—	—	—	—	—	—	—
Israel .....	—	0	1	—	—	—	1	—	—	—	1
Italy .....	—	0	0	4	—	—	1,013	20	—	—	1,033
Jamaica .....	—	—	295	—	—	—	1,440	—	335	—	1,774
Japan .....	—	5,451	8	—	—	—	1	—	—	—	1
Korea, South .....	—	1	555	2	—	—	4	—	40	—	44
Lebanon .....	—	0	—	—	—	—	0	—	281	—	281
Mexico .....	4,420	7	300	40	—	—	39,680	541	162	—	40,384
Montenegro .....	—	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	—	—	—	4,438	—	—	—	4,438
Mozambique .....	—	—	—	—	—	—	—	—	—	—	—
Netherlands .....	—	0	203	7	—	—	12,234	1,447	668	—	14,348
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—	—
New Zealand .....	—	0	0	—	—	—	—	—	—	—	—
Nicaragua .....	—	—	0	3	—	—	53	661	100	—	814
Nigeria .....	—	—	330	—	—	—	—	—	—	—	—
Norway .....	—	—	0	—	—	—	10	—	—	—	10
Pakistan .....	—	0	0	—	—	—	—	—	—	—	—
Panama .....	—	0	0	—	—	—	6,203	1,479	366	—	8,048
Peru .....	—	0	461	83	—	—	12,086	250	65	—	12,401
Philippines .....	—	0	930	—	—	—	0	0	—	—	0
Portugal .....	—	—	—	—	—	—	—	—	—	—	—
Puerto Rico .....	—	1	169	—	—	—	31	1	0	—	32
Romania .....	—	—	—	—	—	—	311	—	—	—	311
Saudi Arabia .....	0	0	1	—	—	—	1	—	—	—	1
Serbia .....	—	—	—	—	—	—	—	—	—	—	—
Singapore .....	0	4	292	2	—	—	3,964	—	2,890	—	6,854
South Africa .....	—	0	—	0	—	—	325	—	—	—	325
Spain .....	—	—	0	1	—	—	1,932	—	—	—	1,932
Switzerland .....	—	—	32	4	—	—	40	149	—	—	189
Taiwan .....	0	0	0	—	—	—	0	—	0	—	1
Thailand .....	—	0	0	—	—	—	1	—	0	—	1
Trinidad and Tobago .....	—	0	0	—	—	—	1	—	0	—	1
Turkey .....	—	0	—	—	—	—	98	—	—	—	98
United Arab Emirates .....	—	0	577	—	—	—	0	—	—	—	0
United Kingdom .....	—	0	0	—	—	—	8,252	0	—	—	8,252
Venezuela .....	1,008	—	0	—	—	—	2,561	285	271	—	3,117
Other .....	—	3	7	0	—	—	14,559	3,776	4,236	—	22,575
<b>Total .....</b>	<b>6,771</b>	<b>5,473</b>	<b>16,523</b>	<b>985</b>	<b>—</b>	<b>—</b>	<b>201,126</b>	<b>22,747</b>	<b>16,784</b>	<b>—</b>	<b>240,657</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-June 2017**  
(Thousand Barrels) — Continued

Destination	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
Argentina .....	0	—	—	440	—	37	—	—
Australia .....	—	—	—	—	—	—	—	—
Bahamas .....	—	—	—	251	—	1,872	—	—
Bahrain .....	—	—	—	—	—	—	—	—
Belgium .....	—	—	—	—	—	84	—	—
Belize .....	0	—	—	—	—	—	—	—
Brazil .....	0	—	—	1,391	—	—	—	—
Canada .....	122	—	—	7,094	—	7,100	—	—
Cayman Islands .....	57	—	—	1,253	—	0	—	—
Chile .....	4	—	—	1,666	—	0	—	—
China .....	3	—	—	4	—	1,687	—	—
Colombia .....	0	—	—	554	—	301	—	—
Costa Rica .....	0	—	—	859	—	201	—	—
Denmark .....	—	—	—	519	—	—	—	—
Dominican Republic .....	0	—	—	1,146	—	271	—	—
Ecuador .....	—	—	—	88	—	2,136	—	—
Egypt .....	—	—	—	—	—	887	—	—
El Salvador .....	0	—	—	129	—	—	—	—
Finland .....	47	—	—	307	—	—	—	—
France .....	48	—	—	942	—	—	—	—
Germany .....	0	—	—	—	—	2	—	—
Ghana .....	—	—	—	1	—	—	—	—
Gibraltar .....	—	—	—	—	—	226	—	—
Greece .....	—	—	—	—	—	0	—	—
Guatemala .....	97	—	—	648	—	684	—	—
Honduras .....	50	—	—	395	—	1,703	—	—
Hong Kong .....	0	—	—	—	—	0	—	—
India .....	—	—	—	0	—	0	—	—
Indonesia .....	—	—	—	0	—	—	—	—
Ireland .....	—	—	—	—	—	—	—	—
Israel .....	0	—	—	538	—	—	—	—
Italy .....	—	—	—	0	—	—	—	—
Jamaica .....	0	—	—	585	—	1,680	—	—
Japan .....	1	—	—	1	—	0	—	—
Korea, South .....	0	—	—	0	—	0	—	—
Lebanon .....	—	—	—	—	—	2,584	—	—
Mexico .....	21	—	—	6,501	—	7,488	—	—
Montenegro .....	—	—	—	—	—	—	—	—
Morocco .....	—	—	—	1,165	—	578	—	—
Mozambique .....	—	—	—	—	—	—	—	—
Netherlands .....	2	—	—	1,238	—	1,449	—	—
Netherlands Antilles .....	—	—	—	—	—	—	—	—
New Zealand .....	—	—	—	—	—	—	—	—
Nicaragua .....	0	—	—	—	—	0	—	—
Nigeria .....	—	—	—	0	—	—	—	—
Norway .....	—	—	—	—	—	—	—	—
Pakistan .....	—	—	—	—	—	0	—	—
Panama .....	0	—	—	2,810	—	3,154	—	—
Peru .....	0	—	—	1,070	—	192	—	—
Philippines .....	—	—	—	0	—	—	—	—
Portugal .....	—	—	—	—	—	—	—	—
Puerto Rico .....	1	—	—	1	—	—	—	—
Romania .....	—	—	—	—	—	—	—	—
Saudi Arabia .....	1	—	—	—	—	0	—	—
Serbia .....	—	—	—	—	—	—	—	—
Singapore .....	1	—	—	0	—	16,289	—	—
South Africa .....	—	—	—	—	—	380	—	—
Spain .....	—	—	—	—	—	0	—	—
Switzerland .....	—	—	—	—	—	—	—	—
Taiwan .....	0	—	—	1	—	4	—	—
Thailand .....	0	—	—	—	—	0	—	—
Trinidad and Tobago .....	0	—	—	3	—	—	—	—
Turkey .....	0	—	—	—	—	—	—	—
United Arab Emirates .....	2	—	—	0	—	301	—	—
United Kingdom .....	—	—	—	630	—	3	—	—
Venezuela .....	—	—	—	—	—	648	—	—
Other .....	151	—	—	2,772	—	2,640	—	—
<b>Total .....</b>	<b>608</b>	<b>—</b>	<b>—</b>	<b>35,002</b>	<b>—</b>	<b>54,581</b>	<b>—</b>	<b>—</b>

See footnotes at end of table.

**Table 52. Year-to-Date Exports of Crude Oil and Petroleum Products by Destination, January-June 2017**  
(Thousand Barrels) — Continued

Destination	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products	Daily Average		
								Crude Oil	Products	Total
Argentina .....	3	180	0	1,495	0	12,764	13,571	4	71	75
Australia .....	4	1,166	1	60	0	4,402	4,625	1	24	26
Bahamas .....	—	—	19	399	—	7,050	9,162	12	39	51
Bahrain .....	0	—	—	3	—	7	7	—	0	0
Belgium .....	3	1,008	1	1,802	1	5,948	5,948	—	33	33
Belize .....	—	—	0	8	—	526	526	—	3	3
Brazil .....	2	6,611	1	1,401	2	64,800	64,800	—	358	358
Canada .....	478	3,042	934	1,575	20	92,984	148,496	307	514	820
Cayman Islands .....	—	—	4	10	—	2,522	2,522	—	14	14
Chile .....	2	—	361	478	1	25,893	25,893	—	143	143
China .....	51	11,538	22	557	5	40,596	74,223	186	224	410
Colombia .....	2	1	34	614	2	20,146	25,084	27	111	139
Costa Rica .....	1	456	133	97	0	10,822	10,822	—	60	60
Denmark .....	—	308	1	202	—	1,203	1,886	4	7	10
Dominican Republic .....	1	655	185	161	0	13,181	14,467	7	73	80
Ecuador .....	1	809	1	293	0	16,834	16,834	—	93	93
Egypt .....	0	2,769	0	17	0	5,857	5,857	—	32	32
El Salvador .....	0	152	0	154	—	5,579	5,579	—	31	31
Finland .....	0	275	0	3	0	634	634	—	4	4
France .....	2	1,474	0	405	—	16,839	20,089	18	93	111
Germany .....	9	294	5	526	0	863	863	—	5	5
Ghana .....	0	—	—	2	—	1,587	1,587	—	9	9
Gibraltar .....	—	—	—	1,364	—	7,386	7,681	2	41	42
Greece .....	—	2,998	—	2	—	3,002	3,002	—	17	17
Guatemala .....	0	1,007	0	122	—	21,328	21,328	—	118	118
Honduras .....	0	789	67	73	—	9,695	9,695	—	54	54
Hong Kong .....	3	0	0	16	1	599	1,332	4	3	7
India .....	8	19,255	6	618	1	30,140	31,608	8	167	175
Indonesia .....	0	0	8	26	0	2,201	2,201	—	12	12
Ireland .....	0	385	—	0	0	387	387	—	2	2
Israel .....	0	1,025	—	499	0	2,075	2,075	—	11	11
Italy .....	1	2,972	1	62	1	4,336	11,614	40	24	64
Jamaica .....	0	0	0	85	1	5,289	5,289	—	29	29
Japan .....	5	9,587	3	106	18	52,442	57,418	27	290	317
Korea, South .....	1	4,003	49	214	3	25,524	30,791	29	141	170
Lebanon .....	0	822	—	8	—	3,694	3,694	—	20	20
Mexico .....	98	11,380	511	3,063	48	171,948	171,948	—	950	950
Montenegro .....	—	—	—	—	—	—	—	—	—	—
Morocco .....	—	2,715	—	1	—	10,354	10,354	—	57	57
Mozambique .....	—	419	—	—	—	419	419	—	2	2
Netherlands .....	20	1,367	7	499	10	33,941	47,619	76	188	263
Netherlands Antilles .....	—	—	—	—	—	—	—	—	—	—
New Zealand .....	0	318	1	5	0	328	328	—	2	2
Nicaragua .....	0	—	0	38	—	1,563	2,364	4	9	13
Nigeria .....	—	—	—	386	—	1,346	1,346	—	7	7
Norway .....	0	542	0	2	0	6,829	7,504	4	38	41
Pakistan .....	0	0	1	4	0	6	6	—	0	0
Panama .....	0	—	98	195	114	20,525	20,950	2	113	116
Peru .....	1	360	2	380	0	18,474	20,193	9	102	112
Philippines .....	1	573	—	6	1	1,512	1,512	—	8	8
Portugal .....	0	837	—	0	—	1,423	1,423	—	8	8
Puerto Rico .....	0	0	1	77	0	536	536	—	3	3
Romania .....	0	191	—	1	—	502	502	—	3	3
Saudi Arabia .....	1	177	2	61	0	261	261	—	1	1
Serbia .....	—	—	—	—	—	—	—	—	—	—
Singapore .....	1	0	0	579	0	35,946	42,474	36	199	235
South Africa .....	0	208	0	419	—	1,813	1,813	—	10	10
Spain .....	3	4,321	30	7	0	8,299	10,220	11	46	56
Switzerland .....	0	—	—	0	0	684	684	—	4	4
Taiwan .....	28	233	4	52	1	1,806	1,806	—	10	10
Thailand .....	0	0	9	29	1	43	1,642	9	0	9
Trinidad and Tobago .....	0	1	0	40	0	75	75	—	0	0
Turkey .....	0	9,968	0	77	—	12,575	12,575	—	69	69
United Arab Emirates .....	0	140	2	313	—	1,380	1,380	—	8	8
United Kingdom .....	1	569	1	32	0	16,251	26,556	57	90	147
Venezuela .....	0	83	1	788	0	16,020	16,020	—	89	89
Other .....	13	4,107	129	416	14	46,538	51,983	31	255	288
<b>Total .....</b>	<b>744</b>	<b>112,090</b>	<b>2,635</b>	<b>20,927</b>	<b>245</b>	<b>930,532</b>	<b>1,096,083</b>	<b>915</b>	<b>5,141</b>	<b>6,056</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, June 2017**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>3,318</b>	<b>-8</b>	<b>-</b>	<b>77</b>	<b>-</b>	<b>-45</b>	<b>-45</b>	<b>0</b>	<b>26</b>	<b>26</b>
Algeria .....	165	-	-	66	-	-	-	-	-	-
Angola .....	178	-	-	-	-	-	-	-	-	-
Ecuador .....	212	-14	-	0	-	-9	-9	-	-	-
Equatorial Guinea .....	54	-	-	-	-	-	-	-	-	-
Gabon .....	10	-	-	4	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	570	-	-	17	-	-	-	-	-	-
Kuwait .....	162	-	-	-	-	-	-	-	0	0
Libya .....	38	-	-	-	-	-	-	-	-	-
Nigeria .....	284	-	-	12	-	-	-	-	13	13
Qatar .....	-	-	-	-	-	-	-	-	-	-
Saudi Arabia .....	1,015	-	-	0	-	0	0	-	-	-
United Arab Emirates .....	14	-	-	20	-	0	0	0	-	0
Venezuela .....	616	7	-	-41	-	-36	-36	-	13	13
<b>Non-OPEC</b> .....	<b>3,905</b>	<b>-1,097</b>	<b>32</b>	<b>337</b>	<b>-</b>	<b>-651</b>	<b>-651</b>	<b>269</b>	<b>385</b>	<b>654</b>
Argentina .....	-	-	-	3	-	-1	-1	-	6	6
Aruba .....	-	-19	-	-	-	-1	-1	-	-	-
Australia .....	22	-19	-	0	-	0	0	-	0	0
Bahamas .....	-29	-1	-	-	-	-11	-11	-	0	0
Bahrain .....	-	-	-	-	-	-	-	-	-	-
Belgium .....	-	-11	-	50	-	-	-	4	1	6
Brazil .....	162	-85	-	20	-	-32	-32	-	0	0
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-	-	-
Canada .....	2,916	-184	25	-68	-	2	2	147	40	188
Chad .....	44	-	-	-	-	-	-	-	-	-
China .....	-140	-46	-	-5	-	0	0	-	0	0
Colombia .....	313	0	-	-34	-	-20	-20	-	7	7
Denmark .....	-	-	-	-	-	-	-	-	4	4
Dominican Republic .....	-	-24	-	0	-	-17	-17	-	0	0
Estonia .....	-	-	-	-	-	-	-	-	-	-
Finland .....	-	-	-	0	-	-	-	-	10	10
France .....	-	0	-	16	-	0	0	19	20	39
Germany .....	-	0	-	0	-	-	-	3	2	5
Guatemala .....	28	-14	-	0	-	-46	-46	-	-1	-1
Honduras .....	-	-9	-	0	-	-6	-6	-	-2	-2
India .....	-	0	-	9	-	0	0	-	95	95
Indonesia .....	-	-8	-	0	-	-	-	-	-	-
Italy .....	-23	-	-	0	-	-	-	0	5	5
Japan .....	-	-164	-	-4	-	0	0	0	4	4
Korea, South .....	-17	-90	-	-1	-	2	2	0	3	3
Latvia .....	-	-	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	0	-	-	-	-	0	0
Mexico .....	676	-109	1	-18	-	-444	-444	0	-37	-38
Netherlands .....	-59	-16	-	-37	-	-9	-9	20	34	54
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	83	-26	-	27	-	-	-	-	1	1
Oman .....	-	-	-	0	-	-	-	-	-	-
Panama .....	-	-6	-	-	-	-17	-17	-	-	-
Portugal .....	-	-	-	-	-	-	-	-	40	40
Puerto Rico .....	-	0	-	0	-	-7	-7	-	0	0
Russia .....	80	-	-	333	-	-	-	-	65	65
Spain .....	-	-17	-	4	-	-	-	-	40	40
Sweden .....	-	-	-	5	-	-	-	-	-	-
Trinidad and Tobago .....	14	0	-	7	-	0	0	0	0	0
United Kingdom .....	-99	-39	-	0	-	10	10	74	33	107
Vietnam .....	-	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-	-	0	0	-	-	-
Yemen .....	-	-	-	-	-	-	-	-	-	-
Other .....	-66	-210	6	30	-	-54	-54	2	15	16
<b>Total</b> .....	<b>7,224</b>	<b>-1,104</b>	<b>32</b>	<b>415</b>	<b>-</b>	<b>-696</b>	<b>-696</b>	<b>269</b>	<b>411</b>	<b>680</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>1,760</b>	<b>-</b>	<b>-</b>	<b>37</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, June 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	-8	0	-3	-	-	-	-17	-	5	-	-12
Algeria	-	-	-	-	-	-	-	-	-	-	-
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	0	-	-	-	-	-9	-	-	-	-9
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	-	-	-	-	-
Kuwait	-	-	0	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-3	-	-	-	11	-	-	-	11
Qatar	-	-	-	-	-	-	-	-	-	-	-
Saudi Arabia	-	-	0	-	-	-	0	-	-	-	0
United Arab Emirates	-	-	-	-	-	-	0	-	-	-	0
Venezuela	-8	-	-	-	-	-	-19	-	5	-	-14
<b>Non-OPEC</b>	-31	-26	-62	50	15	-	-1,276	-95	-103	-	-1,473
Argentina	2	-	0	54	-	-	-42	-	-22	-	-64
Aruba	-	-	-	-	-	-	-1	-	-	-	-1
Australia	-	0	0	-	-	-	-11	-	0	-	-11
Bahamas	-	-	0	-	-	-	-2	0	-15	-	-17
Bahrain	-	-	-	-	-	-	-	-	-	-	-
Belgium	1	0	0	-	-	-	-13	-	-	-	-13
Brazil	4	4	-8	-	-	-	-184	-12	-2	-	-197
Brunei	-	-	-	-	-	-	-	-	-	-	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-20	-3	-	-	50	-9	22	-	63
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	4	-	-	-	4
Colombia	-	-	-1	-	-	-	-22	-	-	-	-22
Denmark	-	-	-	-	-	-	-2	-4	-	-	-6
Dominican Republic	-	-	0	-	-	-	-16	-	-7	-	-23
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	-	-	-	-	-70	-	-	-	-70
Germany	1	0	0	-	-	-	0	-	-	-	0
Guatemala	-	-	-	-	-	-	-85	-15	-18	-	-118
Honduras	-	-	-	-	-	-	-6	-	-	-	-6
India	-	0	-11	-	-	-	0	-	-	-	0
Indonesia	-	-	-	-	-	-	-	-	-	-	-
Italy	-	0	0	-	-	-	-14	-	-	-	-14
Japan	-	-31	0	-	-	-	0	-	-	-	0
Korea, South	-	0	-6	0	-	-	0	-	-1	-	-1
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	-	-	-	-	-	2	-	-16	-	-13
Mexico	-34	0	-2	0	-	-	-246	-2	-1	-	-249
Netherlands	1	0	-3	0	-	-	-130	-	-	-	-130
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-
Oman	-	-	-	-	-	-	-	-	-	-	-
Panama	-	-	0	-	-	-	-32	-7	-4	-	-43
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	0	-	-	-	-1	-	-	-	-1
Russia	-	-	-	-	-	-	-	-	-	-	-
Spain	-	-	-	-	-	-	-	-	-	-	-
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	-	-	-	-	-	-	-	0	-	0
United Kingdom	2	0	0	-	-	-	-51	-	-	-	-51
Vietnam	-	0	-	-	-	-	-	-	-	-	-
Virgin Islands, U.S.	-	-	-	-	-	-	-4	-	-20	-	-23
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-8	1	-11	-1	15	-	-400	-46	-19	-	-467
<b>Total</b>	<b>-39</b>	<b>-26</b>	<b>-65</b>	<b>50</b>	<b>15</b>	<b>-</b>	<b>-1,292</b>	<b>-95</b>	<b>-98</b>	<b>-</b>	<b>-1,485</b>
<b>Persian Gulf<sup>2</sup></b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>

See footnotes at end of table.



**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, June 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b> .....	<b>0</b>	<b>-</b>	<b>-</b>	<b>3</b>	<b>-</b>	<b>-5</b>	<b>11</b>	<b>-</b>
Algeria .....	-	-	-	-	-	-	11	-
Angola .....	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	0	-	-14	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	0	-	-	0	-	-	-	-
Kuwait .....	-	-	-	-	-	-	-	-
Libya .....	-	-	-	-	-	-	-	-
Nigeria .....	-	-	-	0	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-
Saudi Arabia .....	-	-	-	-	-	-	-	-
United Arab Emirates .....	0	-	-	0	-	0	-	-
Venezuela .....	-	-	-	3	-	9	-	-
<b>Non-OPEC</b> .....	<b>-4</b>	<b>0</b>	<b>-</b>	<b>-118</b>	<b>16</b>	<b>-151</b>	<b>16</b>	<b>16</b>
Argentina .....	-	-	-	-5	-	-	-	1
Aruba .....	-	-	-	3	-	-	-	-
Australia .....	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-2	-	-41	-	-
Bahrain .....	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	0	-	-
Brazil .....	-	-	-	-13	1	-	-	-
Brunei .....	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-
Canada .....	0	0	-	-20	7	-19	2	2
Chad .....	-	-	-	-	-	-	-	-
China .....	0	-	-	14	-	-16	-	-
Colombia .....	-	-	-	0	-	-	-	-
Denmark .....	-	-	-	-	-	-	-	-
Dominican Republic .....	-	-	-	-4	-	-3	-	-
Estonia .....	-	-	-	-	-	-	-	-
Finland .....	-	-	-	-	-	-	-	-
France .....	-2	-	-	-11	-	-	0	0
Germany .....	-	-	-	-	-	0	-	-
Guatemala .....	-2	-	-	-5	-	-1	-	-
Honduras .....	0	-	-	-2	-	-9	-	-
India .....	-	-	-	0	-	3	-	-
Indonesia .....	-	-	-	0	-	-	-	-
Italy .....	-	-	-	-	-	3	-	-
Japan .....	0	-	-	25	2	-	2	-
Korea, South .....	-	-	-	46	3	-	-	-
Latvia .....	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-
Malaysia .....	-	-	-	-	-	-	-	-
Mexico .....	0	-	-	-28	-	34	10	-
Netherlands .....	0	-	-	-27	-	-11	-	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	11
Oman .....	-	-	-	-	-	-	-	-
Panama .....	0	-	-	-18	-	-32	-	-
Portugal .....	-	-	-	-	-	-	-	-
Puerto Rico .....	0	-	-	-	-	-	-	-
Russia .....	-	-	-	-	-	24	2	-
Spain .....	-	-	-	-	-	-	-	-
Sweden .....	-	-	-	-	-	0	-	-
Trinidad and Tobago .....	-	-	-	-	-	-	-	-
United Kingdom .....	-	-	-	-	-	0	0	-
Vietnam .....	-	-	-	0	-	-	-	-
Virgin Islands, U.S. ....	-	-	-	-5	-	-1	-	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	0	0	-	-66	3	-82	0	2
<b>Total</b> .....	<b>-4</b>	<b>0</b>	<b>-</b>	<b>-115</b>	<b>16</b>	<b>-156</b>	<b>27</b>	<b>16</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>0</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 53. Net Imports of Crude Oil and Petroleum Products into the United States by Country, June 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b> .....	<b>0</b>	<b>-5</b>	<b>6</b>	<b>13</b>	<b>-</b>	<b>50</b>	<b>3,369</b>
Algeria .....	-	-	0	13	-	89	254
Angola .....	-	-	0	0	-	0	178
Ecuador .....	0	-	0	-1	-	-47	164
Equatorial Guinea .....	-	-	-	0	-	0	54
Gabon .....	-	-	-	-	-	4	15
Iran .....	-	-	-	-	-	-	-
Iraq .....	-	-	-	0	-	17	587
Kuwait .....	-	0	0	0	-	0	162
Libya .....	-	-	-	0	-	0	38
Nigeria .....	-	-	-	-3	-	30	314
Qatar .....	0	0	-	5	-	5	5
Saudi Arabia .....	0	0	0	0	-	0	1,015
United Arab Emirates .....	0	-5	0	0	-	14	28
Venezuela .....	-	-	6	0	-	-62	555
<b>Non-OPEC</b> .....	<b>-1</b>	<b>-650</b>	<b>33</b>	<b>-88</b>	<b>-1</b>	<b>-3,182</b>	<b>723</b>
Argentina .....	0	4	-	-21	-	-19	-19
Aruba .....	-	-	-	0	-	-19	-19
Australia .....	0	-4	0	0	-	-34	-12
Bahamas .....	-	-	2	0	-	-70	-99
Bahrain .....	0	-	-	4	-	4	4
Belgium .....	0	-10	-	-7	0	16	16
Brazil .....	0	-27	-	-8	0	-341	-178
Brunei .....	-	0	-	0	-	0	0
Cameroon .....	-	-	-	0	-	0	0
Canada .....	-1	-10	25	0	0	-9	2,907
Chad .....	-	-	-	-	-	-	44
China .....	1	-25	0	-2	0	-75	-215
Colombia .....	0	0	0	-3	0	-74	239
Denmark .....	-	-	0	-7	-	-9	-9
Dominican Republic .....	0	-10	-2	-1	-	-84	-84
Estonia .....	0	-	-	-	-	0	0
Finland .....	-	-	-	0	-	11	11
France .....	0	-11	-	-2	-	-40	-40
Germany .....	0	0	0	-1	-	5	5
Guatemala .....	0	-6	-	-1	-	-194	-166
Honduras .....	-	0	0	0	-	-33	-33
India .....	0	-203	0	-1	0	-108	-108
Indonesia .....	0	0	0	0	-	-8	-8
Italy .....	0	-21	0	0	-	-25	-49
Japan .....	0	-56	0	-1	0	-222	-222
Korea, South .....	0	-60	0	8	0	-97	-114
Latvia .....	-	-	-	0	-	0	0
Lithuania .....	-	-	-	0	-	0	0
Malaysia .....	0	-	2	1	0	-10	-10
Mexico .....	-1	-49	-2	-21	0	-949	-273
Netherlands .....	0	-2	0	-2	0	-182	-241
Netherlands Antilles .....	-	-	-	-	-	-	-
Norway .....	-	-2	0	0	0	10	93
Oman .....	-	-2	0	0	-	-2	-2
Panama .....	-	-	-	-1	0	-116	-116
Portugal .....	-	-7	-	-	-	33	33
Puerto Rico .....	0	-	0	0	-	-9	-9
Russia .....	-	-	0	0	-	424	503
Spain .....	0	-24	8	0	-	12	12
Sweden .....	-	0	-	0	-	6	6
Trinidad and Tobago .....	0	0	-	0	-	6	20
United Kingdom .....	0	-10	0	1	0	21	-78
Vietnam .....	0	-	0	0	0	0	0
Virgin Islands, U.S. ....	-	-	0	0	-	-30	-30
Yemen .....	-	-	-	0	-	0	0
Other .....	0	-115	0	-23	-1	-971	-1,036
<b>Total</b> .....	<b>-1</b>	<b>-654</b>	<b>38</b>	<b>-76</b>	<b>-1</b>	<b>-3,132</b>	<b>4,092</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>0</b>	<b>-5</b>	<b>0</b>	<b>8</b>	<b>-</b>	<b>40</b>	<b>1,800</b>

- = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-June 2017**  
(Thousand Barrels per Day)

Country of Origin	Crude Oil <sup>1</sup>	Natural Gas Liquids	Refinery Olefins	Unfinished Oils	Finished Motor Gasoline			Motor Gasoline Blending Components		
					Reformulated	Conventional	Total	Reformulated	Conventional	Total
<b>OPEC</b> .....	<b>3,396</b>	<b>-16</b>	<b>-</b>	<b>113</b>	<b>-</b>	<b>-48</b>	<b>-48</b>	<b>0</b>	<b>27</b>	<b>27</b>
Algeria .....	91	-	-	113	-	-	-	-	0	0
Angola .....	91	-	-	4	-	-	-	-	2	2
Ecuador .....	216	-16	-	0	-	-26	-26	0	0	0
Equatorial Guinea .....	13	0	-	-	-	-	-	-	-	-
Gabon .....	2	-	-	1	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-	-	-
Iraq .....	595	-	-	6	-	-	-	-	-	-
Kuwait .....	168	0	-	-	-	-	-	-	0	0
Libya .....	33	-	-	8	-	-	-	-	-	-
Nigeria .....	289	-	-	4	-	-3	-3	-	14	14
Qatar .....	-	-	-	-	-	0	0	-	-	-
Saudi Arabia .....	1,185	0	-	3	-	0	0	0	-	0
United Arab Emirates .....	11	0	-	6	-	0	0	0	-	0
Venezuela .....	704	0	-	-32	-	-18	-18	-	12	12
<b>Non-OPEC</b> .....	<b>3,846</b>	<b>-1,201</b>	<b>30</b>	<b>243</b>	<b>-</b>	<b>-597</b>	<b>-597</b>	<b>229</b>	<b>303</b>	<b>531</b>
Argentina .....	-4	0	-	-1	-	-7	-7	-	3	3
Aruba .....	-	-38	-	0	-	-1	-1	-	-	-
Australia .....	2	-16	-	0	-	0	0	0	0	0
Bahamas .....	-12	-1	-	-1	-	-6	-6	0	0	0
Bahrain .....	-	-	-	-	-	0	0	0	-	0
Belgium .....	-	-3	-	34	-	2	2	4	12	17
Brazil .....	180	-51	-	-4	-	-32	-32	-	-1	-1
Brunei .....	-	-	-	-	-	-	-	-	-	-
Cameroon .....	-	0	-	1	-	0	0	-	0	0
Canada .....	3,149	-113	27	-61	-	3	3	118	56	174
Chad .....	18	-	-	-	-	-	-	-	-	-
China .....	-186	-135	-	-13	-	0	0	-	0	0
Colombia .....	321	-1	-	-41	-	-31	-31	-	8	8
Denmark .....	-4	-	-	0	-	0	0	0	1	1
Dominican Republic .....	-7	-35	-	0	-	-11	-11	-	-1	-1
Estonia .....	-	-	-	0	-	-	-	-	0	0
Finland .....	-	-	-	0	-	0	0	0	8	8
France .....	-18	-17	-	1	-	0	0	18	8	26
Germany .....	-	0	-	2	-	1	1	1	1	1
Guatemala .....	12	-10	-	0	-	-43	-43	-	-1	-1
Honduras .....	-	-10	-	0	-	-11	-11	-	-2	-2
India .....	-8	-45	-	15	-	0	0	3	46	49
Indonesia .....	-	-12	-	0	-	-	-	0	-	0
Italy .....	-40	-1	-	1	-	2	2	0	9	9
Japan .....	-27	-198	-	-7	-	-1	-1	0	2	2
Korea, South .....	-29	-107	-	-6	-	0	0	0	14	14
Latvia .....	-	-	-	-	-	-	-	-	0	0
Lithuania .....	-	-	-	-	-	-	-	-	4	4
Malaysia .....	-12	-	-	0	-	0	0	-	1	1
Mexico .....	610	-120	1	-13	-	-358	-358	0	-39	-39
Netherlands .....	-76	-48	-	-13	-	-3	-3	11	25	36
Netherlands Antilles .....	-	-	-	-	-	-	-	-	-	-
Norway .....	21	-30	-	23	-	1	1	5	9	14
Oman .....	-	-	-	-2	-	-	-	-	-	-
Panama .....	-2	-6	-	0	-	-27	-27	-	-1	-1
Portugal .....	-	-3	-	-	-	2	2	4	18	22
Puerto Rico .....	-	0	-	0	-	-1	-1	-	0	0
Russia .....	40	0	-	278	-	1	1	1	42	43
Spain .....	-11	-10	-	6	-	1	1	0	37	38
Sweden .....	-	2	-	4	-	1	1	1	5	5
Trinidad and Tobago .....	10	2	-	6	-	0	0	0	3	3
United Kingdom .....	-36	-35	-	4	-	7	7	62	29	90
Vietnam .....	-	-	-	0	-	-	-	0	-	0
Virgin Islands, U.S. ....	-	-3	-	-	-	-3	-3	-	-1	-1
Yemen .....	1	-	-	-	-	0	0	-	-	-
Other .....	-46	-157	2	30	-	-83	-83	1	8	9
<b>Total</b> .....	<b>7,243</b>	<b>-1,217</b>	<b>30</b>	<b>356</b>	<b>-</b>	<b>-644</b>	<b>-644</b>	<b>229</b>	<b>330</b>	<b>558</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>1,958</b>	<b>0</b>	<b>-</b>	<b>15</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-June 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Oxygenates		Renewable Fuels				Distillate Fuel Oil				Total
	Methyl Tertiary Butyl Ether (MTBE)	Other Oxygenates	Fuel Ethanol	Biomass-Based Diesel	Other Renewable Diesel	Other Renewable Fuels	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	501 to 2000 ppm	Greater than 2000 ppm	
<b>OPEC</b>	<b>-6</b>	<b>0</b>	<b>-5</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-38</b>	<b>-10</b>	<b>-1</b>	<b>-</b>	<b>-49</b>
Algeria	-	-	-	-	-	-	-1	-1	-	-	-3
Angola	-	-	-	-	-	-	-	-	-	-	-
Ecuador	-	0	0	-	-	-	-24	-7	-1	-	-33
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-	-
Gabon	-	-	-	-	-	-	-	-	-	-	-
Iran	-	-	-	-	-	-	-	-	-	-	-
Iraq	-	-	-	-	-	-	0	-	-	-	0
Kuwait	-	-	0	-	-	-	-	-	-	-	-
Libya	-	-	-	-	-	-	-	-	-	-	-
Nigeria	-	-	-2	-	-	-	2	-	-	-	2
Qatar	-	-	0	-	-	-	-	-	-	-	-
Saudi Arabia	0	0	0	-	-	-	0	-	-	-	0
United Arab Emirates	-	0	-3	-	-	-	0	-	-	-	0
Venezuela	-6	-	0	-	-	-	-14	-2	0	-	-15
<b>Non-OPEC</b>	<b>-23</b>	<b>-26</b>	<b>-84</b>	<b>21</b>	<b>13</b>	<b>-</b>	<b>-977</b>	<b>-115</b>	<b>-52</b>	<b>5</b>	<b>-1,139</b>
Argentina	1	0	0	23	-	-	-40	-4	-7	-	-51
Aruba	-	-	-	-	-	-	-5	-	-	-	-5
Australia	0	0	0	-	-	-	-2	-	0	-	-2
Bahamas	-	0	0	-	-	-	-5	0	-12	-	-17
Bahrain	-	-	0	-	-	-	-	-	-	-	-
Belgium	1	0	0	0	-	-	-5	-2	-2	1	-8
Brazil	1	4	-34	-	-	-	-164	-11	-1	-	-177
Brunei	-	-	-	-	-	-	0	-	-	-	0
Cameroon	-	-	-	-	-	-	-	-	-	-	-
Canada	-	0	-20	-1	-	-	76	-13	27	0	90
Chad	-	-	-	-	-	-	-	-	-	-	-
China	0	0	0	-	-	-	2	-	-	-	2
Colombia	-	0	-1	-	-	-	-24	-	0	-	-24
Denmark	-	-	-	-	-	-	0	-1	-	-	-1
Dominican Republic	-	-	0	-	-	-	-10	-1	-2	-	-12
Estonia	-	-	-	-	-	-	-	-	-	-	-
Finland	-	-	-	-	-	-	-	-	-	-	-
France	-	0	0	-	-	-	-52	-2	-2	1	-55
Germany	1	0	0	0	-	-	0	-	-	-	0
Guatemala	-	0	0	-	-	-	-34	-13	-4	-	-50
Honduras	-	-	-	-	-	-	-8	-4	0	-	-13
India	-	0	-11	-	-	-	12	-	-	1	13
Indonesia	-	0	0	-	-	-	-	-	-	-	-
Italy	-	0	0	0	-	-	-6	0	-	-	-6
Japan	-	-30	0	-	-	-	0	-	-	-	0
Korea, South	-	0	-3	0	-	-	2	-	0	-	2
Latvia	-	-	-	-	-	-	-	-	-	-	-
Lithuania	-	-	-	-	-	-	-	-	-	-	-
Malaysia	-	0	0	-	-	-	0	-	-12	-	-11
Mexico	-24	0	-2	0	-	-	-219	-3	0	-	-223
Netherlands	4	0	-1	0	-	-	-68	-8	-4	-	-79
Netherlands Antilles	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	0	-	-	-	0	-	-	-	0
Oman	-	-	-	-	-	-	0	-	-	-	0
Panama	-	0	0	-	-	-	-34	-8	-2	-	-44
Portugal	-	-	-	-	-	-	-	-	-	-	-
Puerto Rico	-	0	-1	-	-	-	0	0	0	-	0
Russia	-	0	-	-	-	-	-	-	2	2	4
Spain	-	-	0	0	-	-	-11	-	-	-	-11
Sweden	-	-	-	-	-	-	-	-	-	-	-
Trinidad and Tobago	-	0	0	-	-	-	0	-	2	-	2
United Kingdom	0	0	0	-	-	-	-46	0	-	-	-46
Vietnam	-	0	-	-	-	-	0	-	-	-	0
Virgin Islands, U.S.	-	-	0	-	-	-	-11	-2	-8	-	-21
Yemen	-	-	-	-	-	-	-	-	-	-	-
Other	-7	0	-11	-1	13	-	-325	-43	-27	0	-396
<b>Total</b>	<b>-29</b>	<b>-26</b>	<b>-89</b>	<b>21</b>	<b>13</b>	<b>-</b>	<b>-1,015</b>	<b>-124</b>	<b>-53</b>	<b>5</b>	<b>-1,188</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>0</b>	<b>-3</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>0</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-June 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Kerosene	Finished Aviation Gasoline	Aviation Gasoline Blending Components	Kerosene-Type Jet Fuel	Special Naphthas	Residual Fuel Oil	Petrochemical Feedstocks	
							Naphtha	Other Oils
<b>OPEC</b> .....	<b>0</b>	<b>-</b>	<b>-</b>	<b>12</b>	<b>0</b>	<b>5</b>	<b>2</b>	<b>-</b>
Algeria .....	-	-	-	-	-	2	2	-
Angola .....	-	-	-	-	-	-	-	-
Ecuador .....	-	-	-	0	-	-12	-	-
Equatorial Guinea .....	-	-	-	-	-	-	-	-
Gabon .....	-	-	-	-	-	-	-	-
Iran .....	-	-	-	-	-	-	-	-
Iraq .....	0	-	-	0	-	-	-	-
Kuwait .....	-	-	-	0	-	-	-	-
Libya .....	0	-	-	-	-	2	-	-
Nigeria .....	-	-	-	0	-	-	-	-
Qatar .....	-	-	-	-	-	-	-	-
Saudi Arabia .....	0	-	-	0	0	0	-	-
United Arab Emirates .....	0	-	-	0	-	-2	-	-
Venezuela .....	-	-	-	12	-	15	-	-
<b>Non-OPEC</b> .....	<b>-2</b>	<b>0</b>	<b>-</b>	<b>-65</b>	<b>13</b>	<b>-110</b>	<b>30</b>	<b>15</b>
Argentina .....	0	-	-	-2	-	2	-	1
Aruba .....	0	-	-	-1	-	-1	-1	-
Australia .....	-	-	-	-	-	-	-	-
Bahamas .....	-	-	-	-1	-	-8	-	-
Bahrain .....	-	-	-	-	-	-	-	-
Belgium .....	-	-	-	-	-	0	-	-
Brazil .....	0	-	-	-8	0	2	-	-
Brunei .....	-	-	-	-	-	-	-	-
Cameroon .....	-	-	-	-	-	-	-	-
Canada .....	-1	0	-	-22	5	-9	2	2
Chad .....	-	-	-	0	-	-	-	-
China .....	1	-	-	10	-	-9	-	-
Colombia .....	0	-	-	-3	-	8	5	-
Denmark .....	-	-	-	-3	-	-	-	-
Dominican Republic .....	0	-	-	-6	-	-1	-	-
Estonia .....	-	-	-	-	-	-	-	-
Finland .....	0	-	-	-2	-	-	-	-
France .....	0	-	-	-5	0	-	0	1
Germany .....	0	-	-	-	0	0	-	-
Guatemala .....	-1	-	-	-4	-	-4	-	-
Honduras .....	0	-	-	-2	-	-9	-	-
India .....	-	-	-	4	-	0	-	-
Indonesia .....	-	-	-	0	-	-	-	-
Italy .....	-	-	-	0	-	2	-	-
Japan .....	0	-	-	15	3	0	1	-
Korea, South .....	0	-	-	80	2	0	0	-
Latvia .....	-	-	-	-	-	-	-	-
Lithuania .....	-	-	-	-	-	-	-	-
Malaysia .....	0	-	-	0	-	-	-	-
Mexico .....	0	-	-	-36	2	34	10	-
Netherlands .....	0	0	-	-7	0	-4	1	-
Netherlands Antilles .....	-	-	-	-	-	-	-	-
Norway .....	-	-	-	-	-	-	-	9
Oman .....	-	-	-	-	-	-	-	-
Panama .....	0	-	-	-16	-	-17	-	-
Portugal .....	-	-	-	-	0	-	-	-
Puerto Rico .....	0	-	-	0	-	-	-	-
Russia .....	0	-	-	0	-	9	0	-
Spain .....	-	-	-	-	-	0	-	-
Sweden .....	-1	-	-	0	-	2	-	-
Trinidad and Tobago .....	0	-	-	0	-	15	-	-
United Kingdom .....	-	-	-	-3	-	0	2	-
Vietnam .....	0	-	-	0	-	-	-	-
Virgin Islands, U.S. ....	0	-	-	-2	-	-7	-	-
Yemen .....	-	-	-	-	-	-	-	-
Other .....	0	0	-	-51	1	-115	9	2
<b>Total</b> .....	<b>-2</b>	<b>0</b>	<b>-</b>	<b>-54</b>	<b>13</b>	<b>-105</b>	<b>32</b>	<b>15</b>
<b>Persian Gulf<sup>2</sup></b> .....	<b>0</b>	<b>-</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>-2</b>	<b>-</b>	<b>-</b>

See footnotes at end of table.

**Table 54. Year-to-Date Net Imports of Crude Oil and Petroleum Products into the United States by Country, January-June 2017**  
(Thousand Barrels per Day) — Continued

Country of Origin	Waxes	Petroleum Coke	Asphalt and Road Oil	Lubricants	Miscellaneous Products	Total Products	Total Crude Oil and Products
<b>OPEC</b>	<b>0</b>	<b>-6</b>	<b>3</b>	<b>-2</b>	<b>0</b>	<b>30</b>	<b>3,426</b>
Algeria	—	—	0	2	—	117	208
Angola	—	—	0	0	—	6	97
Ecuador	0	-4	0	-2	0	-93	123
Equatorial Guinea	—	—	—	0	—	0	13
Gabon	—	—	—	0	—	1	3
Iran	—	—	—	—	—	—	—
Iraq	—	—	0	0	—	6	601
Kuwait	0	0	0	0	0	0	168
Libya	—	—	—	0	—	9	43
Nigeria	—	—	—	-2	—	11	301
Qatar	0	-1	—	4	—	4	4
Saudi Arabia	0	-1	0	0	0	2	1,186
United Arab Emirates	0	-1	0	0	—	0	11
Venezuela	0	1	3	-4	0	-34	670
<b>Non-OPEC</b>	<b>0</b>	<b>-606</b>	<b>21</b>	<b>-71</b>	<b>-1</b>	<b>-3,007</b>	<b>839</b>
Argentina	0	3	0	-8	0	-35	-40
Aruba	—	—	0	0	—	-47	-47
Australia	0	-6	0	0	0	-24	-22
Bahamas	—	—	0	-2	—	-36	-48
Bahrain	0	—	—	3	—	3	3
Belgium	0	-6	0	-9	0	29	29
Brazil	0	-37	0	-8	0	-343	-162
Brunei	—	0	—	0	—	0	0
Cameroon	—	—	0	0	—	1	1
Canada	-1	-15	25	2	0	88	3,237
Chad	—	—	—	0	—	0	18
China	1	-64	0	-3	0	-210	-396
Colombia	0	0	0	-3	0	-84	237
Denmark	—	-2	0	-1	—	-5	-9
Dominican Republic	0	-4	-1	-1	0	-72	-80
Estonia	0	—	—	0	—	0	0
Finland	0	-2	0	0	0	5	5
France	0	-8	0	-2	—	-59	-77
Germany	0	-2	0	-2	0	2	2
Guatemala	0	-6	0	-1	—	-118	-106
Honduras	0	-4	0	0	—	-54	-54
India	0	-106	0	-3	0	-85	-93
Indonesia	0	0	0	2	0	-10	-10
Italy	0	-16	0	0	0	-9	-49
Japan	0	-53	0	-1	0	-268	-295
Korea, South	0	-22	0	12	0	-29	-58
Latvia	0	—	—	0	—	0	0
Lithuania	0	—	—	0	—	4	4
Malaysia	0	-4	1	0	0	-13	-25
Mexico	-1	-63	-3	-17	0	-852	-242
Netherlands	0	-8	0	-3	0	-123	-199
Netherlands Antilles	—	—	—	—	—	—	—
Norway	0	-3	0	0	0	14	36
Oman	0	-1	0	0	—	-3	-3
Panama	0	—	-1	-1	-1	-113	-116
Portugal	0	-5	—	0	—	16	16
Puerto Rico	0	0	0	0	0	-3	-3
Russia	0	0	0	0	—	336	377
Spain	0	-24	4	0	0	5	-6
Sweden	0	0	—	0	0	13	13
Trinidad and Tobago	0	0	0	0	0	27	37
United Kingdom	0	-2	0	0	0	18	-17
Vietnam	0	-5	0	0	0	-5	-5
Virgin Islands, U.S.	—	—	0	0	—	-37	-37
Yemen	—	—	—	0	—	0	1
Other	1	-141	-4	-25	0	-931	-978
<b>Total</b>	<b>0</b>	<b>-612</b>	<b>25</b>	<b>-74</b>	<b>-1</b>	<b>-2,977</b>	<b>4,266</b>
<b>Persian Gulf<sup>2</sup></b>	<b>0</b>	<b>-2</b>	<b>0</b>	<b>6</b>	<b>0</b>	<b>15</b>	<b>1,973</b>

— = No Data Reported.

<sup>1</sup> On December 18, 2015, the U.S. enacted legislation authorizing the export of U.S. crude oil without a license. Exports to embargoed or sanctioned countries continue to require authorization.

<sup>2</sup> Includes Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and United Arab Emirates.

Note: Totals may not equal sum of components due to independent rounding.

Sources: U.S. Census Bureau and EIA estimates.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, June 2017**  
(Thousand Barrels)

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Crude Oil</b> .....	<b>15,773</b>	<b>148,817</b>	<b>938,174</b>	<b>22,686</b>	<b>54,137</b>	<b>1,179,587</b>
Refinery .....	10,664	14,263	48,044	2,610	23,429	99,010
Tank Farms and Pipelines (Includes Cushing, OK) ....	5,109	134,554	210,956	20,076	25,933	396,628
Cushing, Oklahoma .....	—	58,893	—	—	—	58,893
Leases .....	—	—	—	—	—	—
Strategic Petroleum Reserve <sup>1</sup> .....	—	—	679,174	—	—	679,174
Alaskan In Transit .....	—	—	—	—	4,775	4,775
<b>Total Stocks, All Oils (excluding Crude Oil)<sup>2</sup></b> .....	<b>173,988</b>	<b>180,826</b>	<b>365,818</b>	<b>20,561</b>	<b>88,392</b>	<b>829,585</b>
Refinery .....	16,790	49,311	120,401	10,037	51,566	248,105
Bulk Terminal .....	129,229	93,729	189,269	6,598	31,373	450,198
Pipeline .....	27,704	36,292	52,213	3,791	4,995	124,995
Natural Gas Processing Plant .....	265	1,494	3,935	135	458	6,287
<b>Natural Gas Liquids</b> .....	<b>7,592</b>	<b>48,107</b>	<b>121,074</b>	<b>3,610</b>	<b>4,267</b>	<b>184,650</b>
Refinery .....	645	4,607	6,459	371	1,398	13,480
Bulk Terminal .....	5,955	27,308	95,105	1,249	2,400	132,017
Pipeline .....	727	14,698	15,575	1,855	11	32,866
Natural Gas Processing Plant .....	265	1,494	3,935	135	458	6,287
<b>Ethane</b> .....	<b>526</b>	<b>5,764</b>	<b>44,984</b>	<b>447</b>	<b>—</b>	<b>51,721</b>
Refinery .....	—	—	164	—	—	164
Bulk Terminal .....	337	2,936	39,256	—	—	42,529
Pipeline .....	189	2,632	5,187	447	—	8,455
Natural Gas Processing Plant .....	—	196	377	—	—	573
<b>Propane</b> .....	<b>4,383</b>	<b>18,007</b>	<b>32,188</b>	<b>1,206</b>	<b>1,264</b>	<b>57,048</b>
Refinery .....	109	1,392	1,031	59	102	2,693
Bulk Terminal .....	3,618	12,907	23,709	363	1,127	41,724
Pipeline .....	—	—	—	—	—	—
Natural Gas Processing Plant .....	146	703	1,652	54	24	2,579
<b>Normal Butane</b> .....	<b>2,325</b>	<b>13,233</b>	<b>26,982</b>	<b>1,372</b>	<b>2,412</b>	<b>46,324</b>
Refinery .....	426	2,525	3,862	194	833	7,840
Bulk Terminal .....	1,853	9,364	20,405	871	1,267	33,760
Pipeline .....	6	1,122	1,480	278	—	2,886
Natural Gas Processing Plant .....	40	222	1,235	29	312	1,838
<b>Isobutane</b> .....	<b>135</b>	<b>2,032</b>	<b>6,088</b>	<b>246</b>	<b>503</b>	<b>9,004</b>
Refinery .....	110	404	1,046	95	459	2,114
Bulk Terminal .....	—	732	3,890	—	—	4,622
Pipeline .....	11	723	677	140	—	1,551
Natural Gas Processing Plant .....	14	173	475	11	44	717
<b>Natural Gasoline</b> .....	<b>223</b>	<b>9,071</b>	<b>10,832</b>	<b>339</b>	<b>88</b>	<b>20,553</b>
Refinery .....	—	286	356	23	4	669
Bulk Terminal .....	147	1,369	7,845	15	6	9,382
Pipeline .....	11	7,216	2,435	260	—	9,922
Natural Gas Processing Plant .....	65	200	196	41	78	580
<b>Refinery Olefins</b> .....	<b>157</b>	<b>679</b>	<b>4,902</b>	<b>44</b>	<b>158</b>	<b>5,940</b>
Refinery .....	157	663	2,295	44	158	3,317
Bulk Terminal .....	—	16	2,607	—	—	2,623
Pipeline .....	—	—	—	—	—	—
Natural Gas Processing Plant .....	—	—	—	—	—	—
<b>Ethylene</b> .....	<b>—</b>	<b>—</b>	<b>0</b>	<b>—</b>	<b>—</b>	<b>0</b>
Refinery .....	—	—	0	—	—	0
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
Natural Gas Processing Plant .....	—	—	—	—	—	—
<b>Propylene</b> .....	<b>102</b>	<b>535</b>	<b>3,377</b>	<b>2</b>	<b>12</b>	<b>4,028</b>
Refinery .....	102	519	770	2	12	1,405
Bulk Terminal .....	—	16	2,607	—	—	2,623
Pipeline .....	—	—	—	—	—	—
Natural Gas Processing Plant .....	—	—	—	—	—	—
<b>Butylene</b> .....	<b>16</b>	<b>144</b>	<b>1,525</b>	<b>42</b>	<b>146</b>	<b>1,873</b>
Refinery .....	16	144	1,525	42	146	1,873
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
Natural Gas Processing Plant .....	—	—	—	—	—	—
<b>Isobutylene</b> .....	<b>39</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>39</b>
Refinery .....	39	0	0	0	0	39
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
Natural Gas Processing Plant .....	—	—	—	—	—	—
<b>Other Hydrocarbons</b> .....	<b>—</b>	<b>21</b>	<b>—</b>	<b>—</b>	<b>—</b>	<b>21</b>
Refinery .....	—	21	—	—	—	21
<b>Oxygenates (excluding Fuel Ethanol)</b> .....	<b>—</b>	<b>6</b>	<b>1,673</b>	<b>—</b>	<b>—</b>	<b>1,679</b>
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	6	1,673	—	—	1,679
Pipeline .....	—	—	—	—	—	—

See footnotes at end of table.

**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, June 2017**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>MTBE</b> .....	—	—	1,561	—	—	1,561
Refinery .....	—	—	—	—	—	—
Bulk Terminal <sup>3</sup> .....	—	—	1,561	—	—	1,561
Pipeline .....	—	—	—	—	—	—
<b>Other Oxygenates<sup>4</sup></b> .....	—	6	112	—	—	118
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	6	112	—	—	118
Pipeline .....	—	—	—	—	—	—
<b>Renewable Fuels (including Fuel Ethanol)</b> .....	9,840	8,004	5,865	346	3,580	27,635
Refinery .....	197	129	381	117	314	1,138
Bulk Terminal .....	9,613	7,875	5,484	226	3,266	26,464
Pipeline .....	30	—	—	3	—	33
<b>Fuel Ethanol<sup>2</sup></b> .....	7,649	7,083	4,178	330	2,523	21,763
Refinery .....	192	100	161	105	36	594
Bulk Terminal .....	7,427	6,983	4,017	222	2,487	21,136
Pipeline .....	30	—	—	3	—	33
<b>Renewable Diesel Fuel</b> .....	2,191	921	1,680	16	1,033	5,841
Refinery .....	5	29	220	12	254	520
Bulk Terminal .....	2,186	892	1,460	4	779	5,321
Pipeline .....	—	—	—	—	—	—
<b>Other Renewable Fuels</b> .....	—	—	7	—	24	31
Refinery .....	—	—	—	—	24	24
Bulk Terminal .....	—	—	7	—	—	7
Pipeline .....	—	—	—	—	—	—
<b>Unfinished Oils</b> .....	5,053	14,161	44,138	2,982	22,339	88,673
<b>Naphthas and Lighter</b> .....	1,361	3,200	11,649	696	4,539	21,445
Refinery .....	1,354	3,124	10,522	696	3,629	19,325
Bulk Terminal .....	7	76	1,127	—	910	2,120
<b>Kerosene and Light Gas Oils</b> .....	659	2,571	6,891	539	4,411	15,071
Refinery .....	659	2,571	6,810	539	4,215	14,794
Bulk Terminal .....	—	—	81	—	196	277
<b>Heavy Gas Oils</b> .....	2,160	5,944	20,349	1,150	10,262	39,865
Refinery .....	2,158	5,889	18,015	1,150	10,031	37,243
Bulk Terminal .....	2	55	2,334	—	231	2,622
<b>Residuum</b> .....	873	2,446	5,249	597	3,127	12,292
Refinery .....	873	2,005	5,249	597	3,127	11,851
Bulk Terminal .....	—	441	—	—	—	441
<b>Motor Gasoline Blending Components<sup>2</sup></b> .....	63,121	47,507	73,748	5,479	25,608	215,463
Refinery .....	5,247	12,816	27,154	2,904	13,139	61,260
Bulk Terminal .....	46,250	24,190	29,226	1,785	9,592	111,043
Pipeline .....	11,624	10,501	17,368	790	2,877	43,160
<b>Reformulated - RBOB</b> .....	21,095	6,657	13,200	—	11,750	52,702
Refinery .....	1,373	1,145	2,226	—	4,782	9,526
Bulk Terminal .....	15,202	3,435	5,026	—	5,456	29,119
Pipeline .....	4,520	2,077	5,948	—	1,512	14,057
<b>Conventional</b> .....	42,026	40,850	60,548	5,479	13,858	162,761
Refinery .....	3,874	11,671	24,928	2,904	8,357	51,734
Bulk Terminal .....	31,048	20,755	24,200	1,785	4,136	81,924
Pipeline .....	7,104	8,424	11,420	790	1,365	29,103
<b>CBOB</b> .....	29,393	34,178	32,550	4,147	6,841	107,109
Refinery .....	896	5,848	10,802	1,573	1,981	21,100
Bulk Terminal .....	21,393	20,112	10,370	1,784	3,500	57,159
Pipeline .....	7,104	8,218	11,378	790	1,360	28,850
<b>GTAB</b> .....	768	—	—	—	—	768
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	768	—	—	—	—	768
Pipeline .....	—	—	—	—	—	—
<b>Other</b> .....	11,865	6,672	27,998	1,332	7,017	54,884
Refinery .....	2,978	5,823	14,126	1,331	6,376	30,634
Bulk Terminal .....	8,887	643	13,830	1	636	23,997
Pipeline .....	—	206	42	—	5	253
<b>Aviation Gasoline Blending Components</b> .....	—	—	7	—	—	7
Refinery .....	—	—	7	—	—	7
Bulk Terminal .....	—	—	—	—	—	—
<b>Finished Motor Gasoline</b> .....	4,102	6,072	8,668	1,542	2,096	22,480
Refinery .....	28	1,312	3,387	663	860	6,250
Bulk Terminal .....	1,770	2,469	3,465	685	1,119	9,508
Pipeline .....	2,304	2,291	1,816	194	117	6,722
<b>Reformulated</b> .....	30	—	—	—	20	50
Refinery .....	—	—	—	—	20	20
Bulk Terminal .....	30	—	—	—	—	30
Pipeline .....	—	—	—	—	—	—
<b>Reformulated (Blended with Fuel Ethanol)</b> .....	30	—	—	—	20	50
Refinery .....	—	—	—	—	20	20
Bulk Terminal .....	30	—	—	—	—	30
Pipeline .....	—	—	—	—	—	—

See footnotes at end of table.



**Table 55. Stocks of Crude Oil and Petroleum Products by PAD District, June 2017**  
(Thousand Barrels) — Continued

Commodity	PAD Districts					U.S. Total
	1	2	3	4	5	
<b>Reformulated (Other)</b> .....	—	—	—	—	—	—
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional</b> .....	<b>4,072</b>	<b>6,072</b>	<b>8,668</b>	<b>1,542</b>	<b>2,076</b>	<b>22,430</b>
Refinery .....	28	1,312	3,387	663	840	6,230
Bulk Terminal .....	1,740	2,469	3,465	685	1,119	9,478
Pipeline .....	2,304	2,291	1,816	194	117	6,722
<b>Conventional (Blended with Fuel Ethanol)</b> .....	<b>36</b>	<b>165</b>	—	<b>70</b>	—	<b>271</b>
Refinery .....	—	—	—	69	—	69
Bulk Terminal .....	36	165	—	1	—	202
Pipeline .....	—	—	—	—	—	—
<b>Ed55 and Lower</b> .....	<b>36</b>	<b>165</b>	—	<b>70</b>	—	<b>271</b>
Refinery .....	—	—	—	69	—	69
Bulk Terminal .....	36	165	—	1	—	202
Pipeline .....	—	—	—	—	—	—
<b>Greater than Ed55</b> .....	—	—	—	—	—	—
Refinery .....	—	—	—	—	—	—
Bulk Terminal .....	—	—	—	—	—	—
Pipeline .....	—	—	—	—	—	—
<b>Conventional (Other)</b> .....	<b>4,036</b>	<b>5,907</b>	<b>8,668</b>	<b>1,472</b>	<b>2,076</b>	<b>22,159</b>
Refinery .....	28	1,312	3,387	594	840	6,161
Bulk Terminal .....	1,704	2,304	3,465	684	1,119	9,276
Pipeline .....	2,304	2,291	1,816	194	117	6,722
<b>Finished Aviation Gasoline</b> .....	<b>146</b>	<b>187</b>	<b>274</b>	<b>9</b>	<b>215</b>	<b>831</b>
Refinery .....	—	86	240	9	123	458
Bulk Terminal .....	146	101	34	—	92	373
Pipeline .....	—	—	—	—	—	—
<b>Kerosene-Type Jet Fuel</b> .....	<b>9,191</b>	<b>7,236</b>	<b>15,316</b>	<b>689</b>	<b>8,615</b>	<b>41,047</b>
Refinery .....	511	1,945	5,328	273	3,750	11,807
Bulk Terminal .....	4,952	3,501	4,002	285	3,932	16,672
Pipeline .....	3,728	1,790	5,986	131	933	12,568
<b>Kerosene</b> .....	<b>1,576</b>	<b>113</b>	<b>100</b>	<b>1</b>	<b>10</b>	<b>1,800</b>
Refinery .....	109	90	82	1	3	285
Bulk Terminal .....	1,465	23	4	—	7	1,499
Pipeline .....	2	—	14	—	—	16
<b>Distillate Fuel Oil<sup>2</sup></b> .....	<b>54,872</b>	<b>32,115</b>	<b>48,473</b>	<b>3,647</b>	<b>12,501</b>	<b>151,608</b>
Refinery .....	2,434	6,302	15,008	1,643	5,385	30,772
Bulk Terminal .....	43,149	18,801	22,016	1,186	6,069	91,221
Pipeline .....	9,289	7,012	11,449	818	1,047	29,615
<b>15 ppm sulfur and Under</b> .....	<b>46,595</b>	<b>31,358</b>	<b>42,769</b>	<b>3,318</b>	<b>11,588</b>	<b>135,628</b>
Refinery .....	1,683	5,884	12,714	1,352	4,587	26,220
Bulk Terminal .....	36,730	18,696	19,819	1,150	5,969	82,364
Pipeline .....	8,182	6,778	10,236	816	1,032	27,044
<b>Greater than 15 ppm to 500 ppm sulfur</b> .....	<b>4,140</b>	<b>410</b>	<b>1,617</b>	<b>212</b>	<b>239</b>	<b>6,618</b>
Refinery .....	169	84	826	174	224	1,477
Bulk Terminal .....	3,818	97	461	36	15	4,427
Pipeline .....	153	229	330	2	—	714
<b>Greater than 500 ppm sulfur</b> .....	<b>4,137</b>	<b>347</b>	<b>4,087</b>	<b>117</b>	<b>674</b>	<b>9,362</b>
Refinery .....	582	334	1,468	117	574	3,075
Bulk Terminal .....	2,601	8	1,736	—	85	4,430
Pipeline .....	954	5	883	—	15	1,857
<b>Residual Fuel Oil<sup>5</sup></b> .....	<b>8,645</b>	<b>1,328</b>	<b>20,430</b>	<b>239</b>	<b>4,546</b>	<b>35,188</b>
Refinery .....	626	1,023	3,869	239	2,456	8,213
Bulk Terminal .....	8,019	305	16,561	—	2,084	26,969
Pipeline .....	—	—	—	—	6	6
<b>Less than 0.31% Sulfur</b> .....	<b>1,908</b>	<b>103</b>	<b>1,161</b>	<b>33</b>	<b>179</b>	<b>3,384</b>
Refinery .....	80	103	167	33	—	383
Bulk Terminal .....	1,828	—	994	—	179	3,001
<b>0.31% to 1.00% Sulfur</b> .....	<b>1,048</b>	<b>184</b>	<b>4,628</b>	<b>25</b>	<b>439</b>	<b>6,324</b>
Refinery .....	112	100	320	25	179	736
Bulk Terminal .....	936	84	4,308	—	260	5,588
<b>Greater than 1.00% Percent Sulfur</b> .....	<b>5,689</b>	<b>1,041</b>	<b>14,641</b>	<b>181</b>	<b>3,922</b>	<b>25,474</b>
Refinery .....	434	820	3,382	181	2,277	7,094
Bulk Terminal .....	5,255	221	11,259	—	1,645	18,380
<b>Petrochemical Feedstocks</b> .....	<b>111</b>	<b>601</b>	<b>2,458</b>	—	<b>5</b>	<b>3,175</b>
Refinery .....	111	601	2,458	—	5	3,175
Naphtha for Petrochemical Feedstock Use .....	111	449	1,495	—	5	2,060
Other Oils for Petrochemical Feedstock Use .....	—	152	963	—	—	1,115
<b>Special Naphthas</b> .....	<b>18</b>	<b>122</b>	<b>803</b>	—	<b>51</b>	<b>994</b>
Refinery .....	15	59	793	—	51	918
Bulk Terminal .....	3	63	10	—	—	76
<b>Lubricants</b> .....	<b>1,056</b>	<b>565</b>	<b>6,783</b>	—	<b>835</b>	<b>9,239</b>
Refinery .....	558	186	4,345	—	624	5,713
Bulk Terminal .....	498	379	2,438	—	211	3,526
<b>Waxes</b> .....	<b>414</b>	<b>56</b>	<b>267</b>	—	—	<b>737</b>
Refinery .....	414	56	267	—	—	737
<b>Petroleum Coke</b> .....	—	<b>697</b>	<b>4,847</b>	<b>86</b>	<b>1,582</b>	<b>7,212</b>
Refinery .....	—	697	4,847	86	1,582	7,212
<b>Asphalt and Road Oil</b> .....	<b>8,065</b>	<b>13,159</b>	<b>5,577</b>	<b>1,870</b>	<b>1,875</b>	<b>30,546</b>
Refinery .....	665	5,039	2,475	688	611	9,478
Bulk Terminal .....	7,400	8,120	3,102	1,182	1,264	21,068

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, June 2017**  
(Thousand Barrels)

Commodity	Motor Gasoline			Motor Gasoline Blending Components <sup>1</sup>			Kerosene
	Reformulated	Conventional	Total	Reformulated	Conventional	Total	
<b>PAD District 1</b> .....	<b>30</b>	<b>1,768</b>	<b>1,798</b>	<b>16,575</b>	<b>34,922</b>	<b>51,497</b>	<b>1,574</b>
Connecticut .....	—	—	—	1,673	66	1,739	247
Delaware .....	—	—	—	511	655	1,166	103
District of Columbia .....	—	—	—	—	—	—	—
Florida .....	—	810	810	—	7,296	7,296	—
Georgia .....	—	344	344	—	2,808	2,808	—
Maine .....	—	—	—	389	367	756	63
Maryland .....	—	—	—	1,317	129	1,446	53
Massachusetts .....	8	—	8	1,550	—	1,550	15
New Hampshire .....	—	—	—	—	—	—	7
New Jersey .....	—	22	22	6,475	11,303	17,778	16
New York .....	22	—	22	950	2,047	2,997	458
North Carolina .....	—	195	195	—	2,704	2,704	265
Pennsylvania .....	—	32	32	1,348	4,730	6,078	128
Rhode Island .....	—	—	—	676	—	676	—
South Carolina .....	—	186	186	—	1,189	1,189	28
Vermont .....	—	36	36	—	—	—	3
Virginia .....	—	118	118	1,686	1,480	3,166	188
West Virginia .....	—	25	25	—	148	148	—
<b>PAD District 2</b> .....	<b>—</b>	<b>3,781</b>	<b>3,781</b>	<b>4,580</b>	<b>32,426</b>	<b>37,006</b>	<b>113</b>
Illinois .....	—	339	339	2,371	4,525	6,896	84
Indiana .....	—	252	252	770	4,369	5,139	—
Iowa .....	—	148	148	—	1,970	1,970	—
Kansas .....	—	316	316	—	3,376	3,376	19
Kentucky .....	—	257	257	538	1,100	1,638	7
Michigan .....	—	216	216	54	2,485	2,539	—
Minnesota .....	—	401	401	14	2,008	2,022	—
Missouri .....	—	153	153	203	613	816	—
Nebraska .....	—	88	88	—	734	734	—
North Dakota .....	—	44	44	—	660	660	—
Ohio .....	—	865	865	48	3,689	3,737	—
Oklahoma .....	—	353	353	—	3,398	3,398	3
South Dakota .....	—	69	69	—	376	376	—
Tennessee .....	—	147	147	—	1,650	1,650	—
Wisconsin .....	—	133	133	582	1,473	2,055	—
<b>PAD District 3</b> .....	<b>—</b>	<b>6,852</b>	<b>6,852</b>	<b>7,252</b>	<b>49,128</b>	<b>56,380</b>	<b>86</b>
Alabama .....	—	152	152	—	1,386	1,386	2
Arkansas .....	—	214	214	—	1,032	1,032	—
Louisiana .....	—	1,175	1,175	872	11,249	12,121	41
Mississippi .....	—	1,629	1,629	49	1,918	1,967	—
New Mexico .....	—	91	91	—	594	594	—
Texas .....	—	3,591	3,591	6,331	32,949	39,280	43
<b>PAD District 4</b> .....	<b>—</b>	<b>1,348</b>	<b>1,348</b>	<b>—</b>	<b>4,689</b>	<b>4,689</b>	<b>1</b>
Colorado .....	—	234	234	—	1,526	1,526	—
Idaho .....	—	296	296	—	184	184	—
Montana .....	—	347	347	—	1,144	1,144	—
Utah .....	—	102	102	—	1,161	1,161	1
Wyoming .....	—	369	369	—	674	674	—
<b>PAD District 5</b> .....	<b>20</b>	<b>1,959</b>	<b>1,979</b>	<b>10,238</b>	<b>12,493</b>	<b>22,731</b>	<b>10</b>
Alaska .....	—	749	749	—	—	—	7
Arizona .....	—	94	94	504	357	861	—
California .....	20	513	533	9,663	6,849	16,512	3
Hawaii .....	—	1	1	—	624	624	—
Nevada .....	—	136	136	20	290	310	—
Oregon .....	—	52	52	—	1,066	1,066	—
Washington .....	—	414	414	51	3,307	3,358	—
<b>U.S. Total</b> .....	<b>50</b>	<b>15,708</b>	<b>15,758</b>	<b>38,645</b>	<b>133,658</b>	<b>172,303</b>	<b>1,784</b>

See footnotes at end of table.

**Table 56. Refinery, Bulk Terminal, and Natural Gas Plant Stocks of Selected Petroleum Products by PAD District and State, June 2017**  
(Thousand Barrels) — Continued

Commodity	Distillate Fuel Oil <sup>1</sup>				Residual Fuel Oil	Propane
	15 ppm sulfur and under	Greater than 15 ppm to 500 ppm sulfur	Greater than 500 ppm	Total		
<b>PAD District 1</b> .....	<b>38,413</b>	<b>3,987</b>	<b>3,183</b>	<b>45,583</b>	<b>8,645</b>	<b>3,873</b>
Connecticut .....	2,215	1,287	126	3,628	60	—
Delaware .....	424	26	58	508	687	13
District of Columbia .....	—	—	—	—	—	—
Florida .....	2,379	68	—	2,447	1,224	19
Georgia .....	1,690	—	—	1,690	284	16
Maine .....	983	1	383	1,367	120	—
Maryland .....	3,694	319	—	4,013	829	3
Massachusetts .....	710	761	161	1,632	169	—
New Hampshire .....	340	—	205	545	36	500
New Jersey .....	13,074	404	800	14,278	3,209	70
New York .....	5,761	135	353	6,249	836	1,024
North Carolina .....	993	—	5	998	—	99
Pennsylvania .....	3,422	196	754	4,372	539	1,646
Rhode Island .....	343	566	—	909	1	—
South Carolina .....	776	—	—	776	200	405
Vermont .....	31	—	9	40	—	—
Virginia .....	1,490	183	329	2,002	451	5
West Virginia .....	88	41	—	129	—	73
<b>PAD District 2</b> .....	<b>24,580</b>	<b>181</b>	<b>342</b>	<b>25,103</b>	<b>1,328</b>	<b>15,002</b>
Illinois .....	3,438	—	—	3,438	357	775
Indiana .....	3,209	—	151	3,360	130	241
Iowa .....	2,566	1	—	2,567	2	242
Kansas .....	2,469	—	—	2,469	31	8,487
Kentucky .....	775	—	5	780	238	256
Michigan .....	1,653	36	—	1,689	170	3,885
Minnesota .....	1,783	6	12	1,801	79	209
Missouri .....	855	54	3	912	83	136
Nebraska .....	845	—	—	845	—	92
North Dakota .....	1,027	1	—	1,028	25	55
Ohio .....	1,859	—	52	1,911	112	502
Oklahoma .....	1,725	34	69	1,828	22	72
South Dakota .....	543	—	—	543	—	16
Tennessee .....	798	—	—	798	60	1
Wisconsin .....	1,035	49	50	1,134	19	33
<b>PAD District 3</b> .....	<b>32,533</b>	<b>1,287</b>	<b>3,204</b>	<b>37,024</b>	<b>20,430</b>	<b>26,392</b>
Alabama .....	1,044	1	40	1,085	375	29
Arkansas .....	845	—	15	860	—	67
Louisiana .....	4,635	822	1,264	6,721	9,415	805
Mississippi .....	1,245	281	181	1,707	38	2,494
New Mexico .....	374	—	—	374	27	2
Texas .....	24,390	183	1,704	26,277	10,575	22,995
<b>PAD District 4</b> .....	<b>2,502</b>	<b>210</b>	<b>117</b>	<b>2,829</b>	<b>239</b>	<b>476</b>
Colorado .....	423	—	—	423	25	20
Idaho .....	249	—	—	249	—	—
Montana .....	935	99	—	1,034	84	32
Utah .....	478	57	117	652	46	382
Wyoming .....	417	54	—	471	84	42
<b>PAD District 5</b> .....	<b>10,556</b>	<b>239</b>	<b>659</b>	<b>11,454</b>	<b>4,540</b>	<b>1,253</b>
Alaska .....	1,294	—	56	1,350	119	3
Arizona .....	538	—	—	538	—	750
California .....	5,450	224	196	5,870	2,833	274
Hawaii .....	276	—	401	677	649	82
Nevada .....	293	—	6	299	—	—
Oregon .....	829	—	—	829	7	—
Washington .....	1,876	15	—	1,891	932	144
<b>U.S. Total</b> .....	<b>108,584</b>	<b>5,904</b>	<b>7,505</b>	<b>121,993</b>	<b>35,182</b>	<b>46,996</b>

— = No Data Reported.

<sup>1</sup> Excludes stocks located in the "Northeast Heating Oil Reserve", "Northeast Regional Refined Petroleum Product Reserve", and "State of New York's Strategic Fuels Reserve Program". For details see Appendix D.

Note: Stocks are reported as of the last day of the month.

Note: Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration (EIA) Forms EIA-810, "Monthly Refinery Report," EIA-815, "Monthly Bulk Terminal and Blender Report," EIA-816, "Monthly Natural Gas Liquids Report," and EIA-819, "Monthly Oxygenate Report."

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, June 2017**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to				From 3 to	
	2	3	5	1	3	4	5	1	2
<b>Crude Oil</b> .....	<b>102</b>	<b>249</b>	<b>0</b>	<b>2,864</b>	<b>40,680</b>	<b>6,533</b>	<b>3,103</b>	<b>413</b>	<b>31,344</b>
<b>Petroleum Products</b> .....	<b>14,432</b>	<b>273</b>	<b>0</b>	<b>15,094</b>	<b>33,094</b>	<b>7,340</b>	<b>4,592</b>	<b>99,902</b>	<b>21,252</b>
Natural Gas Liquids .....	4,764	273	0	1,893	20,920	3,918	220	806	6,942
Ethane .....	4,200	0	—	45	9,334	930	—	0	502
Propane .....	156	259	0	1,514	7,175	1,709	136	806	535
Normal Butane .....	323	0	0	78	2,347	692	43	0	203
Isobutane .....	75	14	0	256	640	255	41	0	463
Natural Gasoline .....	10	0	—	0	1,424	332	—	0	5,239
Refinery Olefins .....	0	0	—	405	302	—	—	0	0
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	0	0	—	405	302	—	—	0	0
Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	39	0	—	0	350	—	—	0	360
Motor Gasoline Blending Components .....	6,678	0	0	1,186	1,641	1,271	0	54,017	8,627
Reformulated - RBOB .....	0	0	0	232	122	—	0	10,365	3,756
Conventional .....	6,678	0	0	954	1,519	1,271	0	43,652	4,871
CBOB .....	6,678	0	0	954	1,396	1,271	0	43,512	4,208
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	0	0	—	0	123	—	—	140	663
Renewable Fuels .....	0	0	0	9,623	6,727	547	4,230	236	0
Fuel Ethanol .....	0	0	0	9,570	6,612	494	4,037	236	0
Renewable Diesel Fuel .....	0	0	0	53	115	53	193	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	108	0	0	110	143	162	0	5,019	892
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	108	0	0	110	143	162	0	5,019	892
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	108	0	0	110	143	162	0	5,019	892
Finished Aviation Gasoline .....	0	0	0	0	0	—	0	953	15
Kerosene-Type Jet Fuel .....	242	0	0	165	56	686	0	14,411	1,627
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	2,592	0	0	661	1,157	730	0	23,406	2,247
15 ppm sulfur and under .....	2,592	0	0	661	1,157	730	0	21,903	2,137
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—	—	199	110
Greater than 500 ppm sulfur .....	0	0	—	0	0	0	—	1,304	0
Residual Fuel Oil .....	0	0	—	—	981	—	—	—	37
Petrochemical Feedstocks .....	9	0	—	0	140	—	—	0	0
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	94	—	—	—	0
Other Oils for Petrochemical Feedstock Use .....	9	0	—	0	46	—	—	0	0
Special Naphthas .....	0	0	—	—	0	—	—	—	9
Lubricants .....	0	0	0	0	0	—	0	523	196
Waxes .....	—	0	—	0	0	—	—	9	—
Marketable Petroleum Coke .....	0	0	0	345	374	26	0	0	52
Asphalt and Road Oil .....	0	0	0	705	303	0	141	522	238
Miscellaneous Products .....	0	0	—	—	0	—	—	—	10
<b>Total</b> .....	<b>14,534</b>	<b>522</b>	<b>0</b>	<b>17,958</b>	<b>73,775</b>	<b>13,873</b>	<b>7,695</b>	<b>100,315</b>	<b>52,596</b>

See footnotes at end of table.

**Table 57. Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge, and Rail <sup>1</sup> Between PAD Districts, June 2017**  
(Thousand Barrels) — Continued

Commodity	From 3 to		From 4 to				From 5 to		
	4	5	1	2	3	5	1	3	4
<b>Crude Oil</b> .....	0	0	0	18,333	905	0	0	0	0
<b>Petroleum Products</b> .....	0	5,769	0	8,393	7,754	2,231	0	90	0
Natural Gas Liquids .....	0	56	0	7,026	7,454	121	0	0	0
Ethane .....	0	—	0	1,809	2,470	—	0	0	0
Propane .....	0	0	0	2,836	2,530	88	0	0	0
Normal Butane .....	0	38	0	1,129	906	19	0	0	0
Isobutane .....	0	18	0	503	543	14	0	0	0
Natural Gasoline .....	0	—	0	749	1,005	—	0	0	0
Refinery Olefins .....	—	—	0	0	0	—	0	0	—
Ethylene .....	—	—	—	—	—	—	—	—	—
Propylene .....	—	—	0	0	0	—	0	0	—
Butylene .....	—	—	—	—	—	—	—	—	—
Isobutylene .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	—	—	0	0	0	—	0	0	—
Motor Gasoline Blending Components .....	0	3,981	0	208	0	972	0	0	0
Reformulated - RBOB .....	—	2,567	0	0	0	0	0	0	—
Conventional .....	0	1,414	0	208	0	972	0	0	0
CBOB .....	0	1,414	0	208	0	972	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	—	—	0	0	0	—	0	0	—
Renewable Fuels .....	0	532	0	0	0	82	0	0	0
Fuel Ethanol .....	0	397	0	0	0	82	0	0	0
Renewable Diesel Fuel .....	0	135	0	0	0	0	0	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	0	426	0	356	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	0	0	0	426	0	356	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	0	0	0	426	0	356	0	0	0
Finished Aviation Gasoline .....	—	30	0	0	0	0	0	0	—
Kerosene-Type Jet Fuel .....	0	221	0	30	0	0	0	0	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	0	889	0	606	0	339	0	0	0
15 ppm sulfur and under .....	0	889	0	543	0	339	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	0	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	0	—	0	63	0	—	0	0	0
Residual Fuel Oil .....	—	—	—	0	0	—	—	0	—
Petrochemical Feedstocks .....	—	—	0	0	0	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—	—	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	0	0	0	—	0	0	—
Special Naphthas .....	—	—	—	0	0	—	—	0	—
Lubricants .....	—	0	0	0	0	0	0	90	—
Waxes .....	—	—	0	—	0	—	0	0	—
Marketable Petroleum Coke .....	0	0	0	0	150	74	0	0	0
Asphalt and Road Oil .....	0	60	0	97	149	287	0	0	0
Miscellaneous Products .....	—	—	—	0	0	—	—	0	—
<b>Total</b> .....	0	5,769	0	26,726	8,658	2,231	0	90	0

— = No Data Reported.

<sup>1</sup> Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, June 2017**  
(Thousand Barrels)

Commodity	From 1 to		From 2 to			From 3 to			
	2	3	1	3	4	1	2	4	5
<b>Crude Oil<sup>1</sup></b> .....	<b>52</b>	<b>74</b>	<b>206</b>	<b>40,247</b>	<b>6,533</b>	<b>156</b>	<b>31,344</b>	<b>0</b>	<b>-</b>
<b>Petroleum Products<sup>2</sup></b> .....	<b>13,866</b>	<b>0</b>	<b>2,097</b>	<b>22,444</b>	<b>6,767</b>	<b>78,980</b>	<b>19,331</b>	<b>0</b>	<b>5,091</b>
Natural Gas Liquids .....	4,273	0	847	19,570	3,918	640	6,873	0	-
Ethane .....	4,200	0	45	9,334	930	0	502	0	-
Propane .....	45	0	802	6,284	1,709	640	535	0	-
Normal Butane .....	5	0	0	1,944	692	0	201	0	-
Isobutane .....	13	0	0	584	255	0	396	0	-
Natural Gasoline .....	10	0	0	1,424	332	0	5,239	0	-
Motor Gasoline Blending Components .....	6,651	0	603	1,518	1,271	43,500	8,177	0	3,981
Reformulated - RBOB .....	0	0	0	122	-	10,365	3,756	-	2,567
Conventional .....	6,651	0	603	1,396	1,271	33,135	4,421	0	1,414
CBOB .....	6,651	0	603	1,396	1,271	33,135	4,208	0	1,414
GTAB .....	-	-	-	-	-	-	-	-	-
Other .....	0	0	-	0	-	-	213	-	-
Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Renewable Diesel Fuel .....	-	-	-	-	-	-	-	-	-
Other Renewable Fuels .....	-	-	-	-	-	-	-	-	-
Finished Motor Gasoline .....	108	0	99	143	162	1,759	655	0	0
Reformulated .....	-	-	-	-	-	-	-	-	-
Reformulated Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Reformulated Other .....	-	-	-	-	-	-	-	-	-
Conventional .....	108	0	99	143	162	1,759	655	0	0
Conventional Blended with Fuel Ethanol .....	-	-	-	-	-	-	-	-	-
Ed55 and Lower .....	-	-	-	-	-	-	-	-	-
Greater than Ed55 .....	-	-	-	-	-	-	-	-	-
Conventional Other .....	108	0	99	143	162	1,759	655	0	0
Finished Aviation Gasoline .....	-	-	-	-	-	-	-	-	-
Kerosene-Type Jet Fuel .....	242	0	165	56	686	12,811	1,627	0	221
Kerosene .....	-	-	-	-	-	-	-	-	-
Distillate Fuel Oil .....	2,592	0	383	1,157	730	20,270	1,999	0	889
15 ppm sulfur and under .....	2,592	0	383	1,157	730	18,767	1,889	0	889
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	0	-	199	110	-	-
Greater than 500 ppm sulfur .....	0	0	0	0	0	1,304	0	0	-
Residual Fuel Oil .....	-	-	-	-	-	-	-	-	-
Miscellaneous Products .....	-	-	-	-	-	-	-	-	-
<b>Total</b> .....	<b>13,918</b>	<b>74</b>	<b>2,303</b>	<b>62,691</b>	<b>13,300</b>	<b>79,136</b>	<b>50,675</b>	<b>0</b>	<b>5,091</b>

See footnotes at end of table.

**Table 58. Movements of Crude Oil and Petroleum Products by Pipeline Between PAD Districts, June 2017**  
(Thousand Barrels) — Continued

Commodity	From 4 to				From 5 to	
	1	2	3	5	3	4
<b>Crude Oil<sup>1</sup></b> .....	<b>0</b>	<b>18,333</b>	<b>339</b>	<b>—</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products<sup>2</sup></b> .....	<b>0</b>	<b>8,296</b>	<b>7,454</b>	<b>1,667</b>	<b>0</b>	<b>0</b>
Natural Gas Liquids .....	0	7,026	7,454	—	0	0
Ethane .....	0	1,809	2,470	—	0	0
Propane .....	0	2,836	2,530	—	0	0
Normal Butane .....	0	1,129	906	—	0	0
Isobutane .....	0	503	543	—	0	0
Natural Gasoline .....	0	749	1,005	—	0	0
Motor Gasoline Blending Components .....	0	208	0	972	0	0
Reformulated - RBOB .....	0	0	0	0	0	—
Conventional .....	0	208	0	972	0	0
CBOB .....	0	208	0	972	0	0
GTAB .....	—	—	—	—	—	—
Other .....	—	0	0	—	0	—
Renewable Fuels .....	—	—	—	—	—	—
Fuel Ethanol .....	—	—	—	—	—	—
Renewable Diesel Fuel .....	—	—	—	—	—	—
Other Renewable Fuels .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	426	0	356	0	0
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	426	0	356	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	426	0	356	0	0
Finished Aviation Gasoline .....	—	—	—	—	—	—
Kerosene-Type Jet Fuel .....	0	30	0	0	0	0
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	0	606	0	339	0	0
15 ppm sulfur and under .....	0	543	0	339	0	0
Greater than 15 ppm to 500 ppm sulfur .....	0	0	0	—	0	—
Greater than 500 ppm sulfur .....	0	63	0	—	0	0
Residual Fuel Oil .....	—	—	—	—	—	—
Miscellaneous Products .....	—	—	—	—	—	—
<b>Total</b> .....	<b>0</b>	<b>26,629</b>	<b>7,793</b>	<b>1,667</b>	<b>0</b>	<b>0</b>

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report."

<sup>1</sup> Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, June 2017**  
(Thousand Barrels)

Commodity	From 1 to			From 2 to		
	2	3	5	1	3	5
<b>Crude Oil<sup>1</sup></b> .....	<b>50</b>	<b>175</b>	<b>—</b>	<b>378</b>	<b>284</b>	<b>—</b>
<b>Petroleum Products<sup>2</sup></b> .....	<b>75</b>	<b>0</b>	<b>0</b>	<b>973</b>	<b>2,351</b>	<b>0</b>
Natural Gas Liquids .....	—	0	—	0	0	—
Ethane .....	—	—	—	—	—	—
Propane .....	—	0	—	0	0	—
Normal Butane .....	—	—	—	—	—	—
Isobutane .....	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—
Unfinished Oils .....	39	0	—	0	350	—
Motor Gasoline Blending Components .....	27	0	—	583	123	—
Reformulated - RBOB .....	0	—	—	232	—	—
Conventional .....	27	0	—	351	123	—
CBOB .....	27	0	—	351	0	—
GTAB .....	—	—	—	—	—	—
Other .....	0	0	—	0	123	—
Renewable Fuels .....	0	0	0	0	757	0
Fuel Ethanol .....	0	0	—	0	747	—
Renewable Diesel Fuel .....	0	0	0	—	10	0
Other Renewable Fuels .....	—	—	—	—	—	—
Finished Motor Gasoline .....	0	0	—	11	0	—
Reformulated .....	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	0	0	—	11	0	—
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—
Conventional Other .....	0	0	—	11	0	—
Finished Aviation Gasoline .....	0	0	0	0	0	0
Kerosene-Type Jet Fuel .....	—	0	—	0	0	—
Kerosene .....	—	—	—	—	—	—
Distillate Fuel Oil .....	0	0	—	278	0	—
15 ppm sulfur and under .....	0	0	—	278	0	—
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	—	—
Greater than 500 ppm sulfur .....	—	—	—	—	—	—
Residual Fuel Oil .....	0	0	—	—	981	—
Less than 0.31 percent sulfur .....	0	0	—	—	30	—
0.31 to 1.00 percent sulfur .....	—	—	—	—	—	—
Greater than 1.00 percent sulfur .....	0	0	—	—	951	—
Petrochemical Feedstocks .....	9	0	—	0	140	—
Naphtha for Petrochemical Feedstock Use .....	0	0	—	—	94	—
Other Oils for Petrochemical Feedstock Use .....	9	0	—	0	46	—
Special Naphthas .....	0	0	—	—	0	—
Lubricants .....	0	0	0	0	0	0
Waxes .....	—	0	—	0	0	—
Marketable Petroleum Coke .....	—	—	—	—	—	—
Asphalt and Road Oil .....	0	0	—	101	0	—
Miscellaneous Products .....	0	0	—	—	0	—
<b>Total</b> .....	<b>125</b>	<b>175</b>	<b>0</b>	<b>1,351</b>	<b>2,635</b>	<b>0</b>

See footnotes at end of table.



**Table 59. Movements of Crude Oil and Petroleum Products by Tanker and Barge Between PAD Districts, June 2017**  
(Thousand Barrels) — Continued

Commodity	From 3 to						From 5 to		
	1	New England	Central Atlantic	Lower Atlantic	2	5	1	2	3
<b>Crude Oil<sup>1</sup></b> .....	<b>257</b>	—	<b>257</b>	—	<b>0</b>	—	<b>0</b>	<b>0</b>	<b>0</b>
<b>Petroleum Products<sup>2</sup></b> .....	<b>20,625</b>	—	<b>818</b>	<b>19,807</b>	<b>1,740</b>	<b>165</b>	<b>0</b>	<b>0</b>	<b>90</b>
Natural Gas Liquids .....	29	—	—	29	—	—	0	—	0
Ethane .....	—	—	—	—	—	—	—	—	—
Propane .....	29	—	—	29	—	—	0	—	0
Normal Butane .....	—	—	—	—	—	—	—	—	—
Isobutane .....	—	—	—	—	—	—	—	—	—
Natural Gasoline .....	—	—	—	—	—	—	—	—	—
Unfinished Oils .....	0	—	—	—	360	—	0	0	0
Motor Gasoline Blending Components .....	10,517	—	440	10,077	450	—	0	0	0
Reformulated - RBOB .....	0	—	—	—	0	—	0	0	—
Conventional .....	10,517	—	440	10,077	450	—	0	0	0
CBOB .....	10,377	—	300	10,077	0	—	0	0	0
GTAB .....	—	—	—	—	—	—	—	—	—
Other .....	140	—	140	—	450	—	0	0	0
Renewable Fuels .....	236	—	—	236	0	135	0	0	0
Fuel Ethanol .....	236	—	—	236	0	—	0	0	0
Renewable Diesel Fuel .....	—	—	—	—	0	135	—	0	0
Other Renewable Fuels .....	—	—	—	—	—	—	—	—	—
Finished Motor Gasoline .....	3,260	—	—	3,260	237	—	0	0	0
Reformulated .....	—	—	—	—	—	—	—	—	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Reformulated Other .....	—	—	—	—	—	—	—	—	—
Conventional .....	3,260	—	—	3,260	237	—	0	0	0
Conventional Blended with Fuel Ethanol .....	—	—	—	—	—	—	—	—	—
Ed55 and Lower .....	—	—	—	—	—	—	—	—	—
Greater than Ed55 .....	—	—	—	—	—	—	—	—	—
Conventional Other .....	3,260	—	—	3,260	237	—	0	0	0
Finished Aviation Gasoline .....	953	—	—	953	15	30	0	0	0
Kerosene-Type Jet Fuel .....	1,600	—	—	1,600	—	—	0	—	0
Kerosene .....	—	—	—	—	—	—	—	—	—
Distillate Fuel Oil .....	3,136	—	—	3,136	248	—	0	0	0
15 ppm sulfur and under .....	3,136	—	—	3,136	248	—	0	0	0
Greater than 15 ppm to 500 ppm sulfur .....	—	—	—	—	—	—	—	—	—
Greater than 500 ppm sulfur .....	—	—	—	—	—	—	—	—	—
Residual Fuel Oil .....	—	—	—	—	37	—	—	0	0
Less than 0.31 percent sulfur .....	—	—	—	—	0	—	—	0	0
0.31 to 1.00 percent sulfur .....	—	—	—	—	—	—	—	—	—
Greater than 1.00 percent sulfur .....	—	—	—	—	37	—	—	0	0
Petrochemical Feedstocks .....	0	—	—	—	0	—	0	0	0
Naphtha for Petrochemical Feedstock Use .....	—	—	—	—	0	—	—	0	0
Other Oils for Petrochemical Feedstock Use .....	0	—	—	—	0	—	0	0	0
Special Naphthas .....	—	—	—	—	9	—	—	0	0
Lubricants .....	523	—	293	230	196	0	0	0	90
Waxes .....	9	—	9	—	—	—	0	—	0
Marketable Petroleum Coke .....	—	—	—	—	—	—	—	—	—
Asphalt and Road Oil .....	362	—	76	286	178	—	0	0	0
Miscellaneous Products .....	—	—	—	—	10	—	—	0	0
<b>Total</b> .....	<b>20,882</b>	—	<b>1,075</b>	<b>19,807</b>	<b>1,740</b>	<b>165</b>	<b>0</b>	<b>0</b>	<b>90</b>

— = No Data Reported.

Sources: Energy Information Administration (EIA) Form EIA-817, "Monthly Tanker and Barge Movements Report."

<sup>1</sup> Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

<sup>2</sup> Renewable diesel fuel includes biodiesel and other renewable diesel.

**Table 60. Movements of Crude Oil and Selected Products by Rail Between PAD Districts, June 2017**  
(Thousand Barrels)

Commodity	From 1 to				From 2 to			
	2	3	4	5	1	3	4	5
Crude Oil .....	0	0	0	0	2,280	149	0	3,103
Propane .....	111	259	0	0	712	891	0	136
Propylene .....	0	0	–	–	405	302	–	–
Normal Butane .....	318	0	0	0	78	403	0	43
Isobutane .....	62	14	0	0	256	56	0	41
Fuel Ethanol .....	0	0	0	0	9,570	5,865	494	4,037
Biodiesel .....	0	0	0	0	53	105	53	193
Marketable Petroleum Coke .....	0	0	0	0	345	374	26	0
Asphalt and Road Oil .....	0	0	0	0	604	303	0	141

Commodity	From 3 to				From 4 to			
	1	2	4	5	1	2	3	5
Crude Oil .....	0	0	0	0	0	0	566	0
Propane .....	137	0	0	0	0	0	0	88
Propylene .....	0	0	–	–	0	0	0	–
Normal Butane .....	0	2	0	38	0	0	0	19
Isobutane .....	0	67	0	18	0	0	0	14
Fuel Ethanol .....	0	0	0	397	0	0	0	82
Biodiesel .....	0	0	0	0	0	0	0	0
Marketable Petroleum Coke .....	0	52	0	0	0	0	150	74
Asphalt and Road Oil .....	160	60	0	60	0	97	149	287

Commodity	From 5 to			
	1	2	3	4
Crude Oil .....	0	0	0	0
Propane .....	0	0	0	0
Propylene .....	0	0	0	–
Normal Butane .....	0	0	0	0
Isobutane .....	0	0	0	0
Fuel Ethanol .....	0	0	0	0
Biodiesel .....	0	0	0	0
Marketable Petroleum Coke .....	0	0	0	0
Asphalt and Road Oil .....	0	0	0	0

– = No Data Reported.  
Source: Rail Movements are estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 61. Movements of Crude Oil by Pipeline, Tanker, Barge and Rail between PAD Districts, June 2017**  
(Thousand Barrels)

PADD	Pipeline	Tanker and Barge	Rail	Total
<b>From 1 to</b>				
2 .....	52	50	0	102
3 .....	74	175	0	249
4 .....	0	—	0	0
5 .....	—	—	0	0
<b>From 2 to</b>				
1 .....	206	378	2,280	2,864
3 .....	40,247	284	149	40,680
4 .....	6,533	—	0	6,533
5 .....	—	—	3,103	3,103
<b>From 3 to</b>				
1 .....	156	257	0	413
2 .....	31,344	0	0	31,344
4 .....	0	—	0	0
5 .....	—	—	0	0
<b>From 4 to</b>				
1 .....	0	0	0	0
2 .....	18,333	0	0	18,333
3 .....	339	0	566	905
5 .....	—	—	0	0
<b>From 5 to</b>				
1 .....	0	0	0	0
2 .....	0	0	0	0
3 .....	0	0	0	0
4 .....	0	—	0	0

— = No Data Reported.

Sources: Energy Information Administration (EIA) Forms EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, June 2017**  
(Thousand Barrels)

Commodity	PAD District 1			PAD District 2			PAD District 3		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b>	<b>3,277</b>	<b>351</b>	<b>2,926</b>	<b>49,779</b>	<b>53,180</b>	<b>-3,401</b>	<b>41,834</b>	<b>31,757</b>	<b>10,077</b>
<b>Petroleum Products</b>	<b>114,995</b>	<b>14,705</b>	<b>100,290</b>	<b>44,077</b>	<b>60,119</b>	<b>-16,042</b>	<b>41,211</b>	<b>126,923</b>	<b>-85,712</b>
Natural Gas Liquids	2,699	5,037	-2,338	18,732	26,951	-8,219	28,647	7,804	20,843
Ethane	45	4,200	-8,310	6,511	10,309	-3,798	11,804	502	11,302
Propane	2,320	415	1,905	3,527	10,534	-7,007	9,964	1,341	8,623
Normal Butane	78	323	-245	1,655	3,160	-1,505	3,253	241	3,012
Isobutane	256	89	167	1,041	1,192	-151	1,197	481	716
Natural Gasoline	0	10	-10	5,998	1,756	4,242	2,429	5,239	-2,810
Refinery Olefins	405	0	405	0	707	-707	302	0	302
Ethylene	0	0	-	-	-	-	0	0	-
Propylene	405	0	405	0	707	-707	302	0	302
Butylene	0	0	-	0	0	-	0	0	-
Isobutylene	0	0	-	0	0	-	0	0	-
Unfinished Oils	0	39	-39	399	350	49	350	360	-10
Motor Gasoline Blending Components	55,203	6,678	48,525	15,513	4,098	11,415	1,641	66,625	-64,984
Reformulated - RBOB	10,597	0	10,597	3,756	354	3,402	122	16,688	-16,566
Conventional	44,606	6,678	37,928	11,757	3,744	8,013	1,519	49,937	-48,418
CBOB	44,466	6,678	37,788	11,094	3,621	7,473	1,396	49,134	-47,738
GTAB	0	0	-	-	-	-	-	-	-
Other	140	0	140	663	123	540	123	803	-680
Renewable Fuels	9,859	0	9,859	0	21,127	-21,127	6,727	768	5,959
Fuel Ethanol	9,806	0	9,806	0	20,713	-20,713	6,612	633	5,978
Renewable Diesel Fuel	53	0	53	0	414	-414	115	135	-20
Other Renewable Fuels	-	-	-	-	-	-	0	0	-
Finished Motor Gasoline	5,129	108	5,021	1,426	415	1,011	143	5,911	-5,768
Reformulated	0	0	-	0	0	-	0	0	-
Reformulated Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Reformulated Other	-	-	-	-	-	-	-	-	-
Conventional	5,129	108	5,021	1,426	415	1,011	143	5,911	-5,768
Conventional Blended with Fuel Ethanol	0	0	-	0	0	-	0	0	-
Ed55 and Lower	0	0	-	0	0	-	0	0	-
Greater than Ed55	0	0	-	0	0	-	0	0	-
Conventional Other	5,129	108	5,021	1,426	415	1,011	143	5,911	-5,768
Finished Aviation Gasoline	953	0	953	15	0	15	0	998	-998
Kerosene-Type Jet Fuel	14,576	242	14,334	1,899	907	992	56	16,259	-16,203
Kerosene	0	0	-	0	0	-	0	0	-
Distillate Fuel Oil	24,067	2,592	21,475	5,445	2,548	2,897	1,157	26,542	-25,385
15 ppm sulfur and under	22,564	2,592	19,972	5,272	2,548	2,724	1,157	24,929	-23,772
Greater than 15 ppm to 500 ppm sulfur	199	0	199	110	0	110	0	309	-309
Greater than 500 ppm sulfur	1,304	0	1,304	63	0	63	0	1,304	-1,304
Residual Fuel Oil	0	0	-	37	981	-944	981	37	944
Petrochemical Feedstocks	0	9	-9	9	140	-131	140	0	140
Naphtha for Petrochemical Feedstock Use	0	0	-	0	94	-94	94	0	94
Other Oils for Petrochemical Feedstock Use	0	9	-9	9	46	-37	46	0	46
Special Naphthas	0	0	-	9	0	9	0	9	-9
Lubricants	523	0	523	196	0	196	90	719	-629
Waxes	9	0	9	0	0	-	0	9	-9
Marketable Petroleum Coke	345	0	345	52	746	-693	524	52	472
Asphalt and Road Oil	1,227	0	1,227	335	1,150	-815	453	819	-367
Miscellaneous Products	0	0	-	10	0	10	0	10	-10
<b>Total</b>	<b>118,272</b>	<b>15,056</b>	<b>103,216</b>	<b>93,856</b>	<b>113,300</b>	<b>-19,443</b>	<b>83,045</b>	<b>158,680</b>	<b>-75,635</b>

See footnotes at end of table.

**Table 62. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, Barge and Rail Between PAD Districts, June 2017**  
(Thousand Barrels) — Continued

Commodity	PAD District 4			PAD District 5		
	Receipts	Shipments	Net Receipts	Receipts	Shipments	Net Receipts
<b>Crude Oil</b> .....	<b>6,533</b>	<b>19,238</b>	<b>-12,705</b>	<b>3,103</b>	<b>0</b>	<b>3,103</b>
<b>Petroleum Products</b> .....	<b>7,340</b>	<b>18,378</b>	<b>-11,038</b>	<b>12,592</b>	<b>90</b>	<b>12,502</b>
Natural Gas Liquids .....	<b>3,918</b>	<b>14,601</b>	<b>-10,683</b>	<b>397</b>	<b>0</b>	<b>397</b>
Ethane .....	930	4,279	-3,349	0	0	—
Propane .....	1,709	5,454	-3,745	224	0	224
Normal Butane .....	692	2,054	-1,362	100	0	100
Isobutane .....	255	1,060	-805	73	0	73
Natural Gasoline .....	332	1,754	-1,422	0	0	—
Refinery Olefins .....	0	0	—	0	0	—
Ethylene .....	—	—	—	—	—	—
Propylene .....	0	0	—	0	0	—
Butylene .....	0	0	—	0	0	—
Isobutylene .....	0	0	—	0	0	—
Unfinished Oils .....	0	0	—	0	0	—
Motor Gasoline Blending Components .....	1,271	1,180	91	4,953	0	4,953
Reformulated - RBOB .....	—	—	—	2,567	0	2,567
Conventional .....	1,271	1,180	91	2,386	0	2,386
CBOB .....	1,271	1,180	91	2,386	0	2,386
GTAB .....	—	—	—	0	0	—
Other .....	0	0	—	0	0	—
Renewable Fuels .....	547	82	465	4,844	0	4,844
Fuel Ethanol .....	494	82	412	4,516	0	4,516
Renewable Diesel Fuel .....	53	0	53	328	0	328
Other Renewable Fuels .....	—	—	—	0	0	—
Finished Motor Gasoline .....	162	782	-620	356	0	356
Reformulated .....	—	—	—	0	0	—
Reformulated Blended with Fuel Ethanol .....	—	—	—	0	0	—
Reformulated Other .....	—	—	—	—	—	—
Conventional .....	162	782	-620	356	0	356
Conventional Blended with Fuel Ethanol .....	0	0	—	0	0	—
Ed55 and Lower .....	0	0	—	0	0	—
Greater than Ed55 .....	0	0	—	0	0	—
Conventional Other .....	162	782	-620	356	0	356
Finished Aviation Gasoline .....	0	0	—	30	0	30
Kerosene-Type Jet Fuel .....	686	30	656	221	0	221
Kerosene .....	0	0	—	0	0	—
Distillate Fuel Oil .....	730	945	-215	1,228	0	1,228
15 ppm sulfur and under .....	730	882	-152	1,228	0	1,228
Greater than 15 ppm to 500 ppm sulfur .....	0	0	—	0	0	—
Greater than 500 ppm sulfur .....	0	63	-63	0	0	—
Residual Fuel Oil .....	0	0	—	0	0	—
Petrochemical Feedstocks .....	—	—	—	0	0	—
Naphtha for Petrochemical Feedstock Use .....	—	—	—	0	0	—
Other Oils for Petrochemical Feedstock Use .....	—	—	—	—	—	—
Special Naphthas .....	—	—	—	0	0	—
Lubricants .....	0	0	—	0	90	-90
Waxes .....	0	0	—	0	0	—
Marketable Petroleum Coke .....	26	224	-198	74	0	74
Asphalt and Road Oil .....	0	534	-534	489	0	489
Miscellaneous Products .....	0	0	—	0	0	—
<b>Total</b> .....	<b>13,873</b>	<b>37,615</b>	<b>-23,743</b>	<b>15,695</b>	<b>90</b>	<b>15,605</b>

— = No Data Reported.

Movements of crude oil, fuel ethanol and biodiesel include movements by rail. Movements of other products are by pipeline, tanker and barge only.

Renewable diesel fuel includes biodiesel and other renewable diesel.

Sources: Energy Information Administration (EIA) Forms EIA-812, "Monthly Product Pipeline Report," EIA-813, "Monthly Crude Oil Report," EIA-817, "Monthly Tanker and Barge Movements Report." Rail net movements estimates based on EIA analysis of data from the Surface Transportation Board and other information.

## District Descriptions and Maps

The following are the Refining Districts which make up the Petroleum Administration for Defense (PAD) Districts.

### PAD District I

**East Coast:** The District of Columbia and the States of Maine, New Hampshire, Vermont, Massachusetts, Rhode Island, Connecticut, New Jersey, Delaware, Maryland, Virginia, North Carolina, South Carolina, Georgia, Florida, and the following counties of the State of New York: Cayuga, Tompkins, Chemung, and all counties east and north thereof. Also the following counties in the State of Pennsylvania: Bradford, Sullivan, Columbia, Montour, Northumberland, Dauphin, York, and all counties east thereof.

**Appalachian No. 1:** The State of West Virginia and those parts of the States of Pennsylvania and New York not included in the East Coast District.

### Sub-PAD District I

**New England:** The States of Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont.

**Central Atlantic:** The District of Columbia and the States of Delaware, Maryland, New Jersey, New York, and Pennsylvania.

**Lower Atlantic:** The States of Florida, Georgia, North Carolina, South Carolina, Virginia and West Virginia.

### PAD District II

**Indiana-Illinois-Kentucky:** The States of Indiana, Illinois, Kentucky, Tennessee, Michigan, and Ohio.

**Minnesota-Wisconsin-North and South Dakota:** The States of Minnesota, Wisconsin, North Dakota, and South Dakota.

**Oklahoma-Kansas-Missouri:** The States of Oklahoma, Kansas, Missouri, Nebraska, and Iowa.

### PAD District III

**Texas Inland:** The State of Texas except the Texas Gulf Coast District.

**Texas Gulf Coast:** The following counties of the State of Texas: Newton, Orange, Jefferson, Jasper, Tyler, Hardin, Liberty, Chambers, Polk, San Jacinto, Montgomery, Harris, Galveston, Waller, Fort Bend, Brazoria, Wharton, Matagorda, Jackson, Victoria, Calhoun, Refugio, Aransas, San Patricio, Nueces, Kleberg, Kenedy, Willacy, and Cameron.

**Louisiana Gulf Coast:** The following Parishes of the State of Louisiana: Vernon, Rapides, Avoyelles, Pointe Coupee, West Feliciana, East Feliciana, Saint Helena, Tangipahoa, Washington, and all Parishes south thereof. Also the following counties of the State of Mississippi: Pearl River, Stone, George, Hancock, Harrison, and Jackson. Also the following counties of the State of Alabama: Mobile and Baldwin.

**North Louisiana-Arkansas:** The State of Arkansas and those parts of the States of Louisiana, Mississippi, and Alabama not included in the Louisiana Gulf Coast District.

**New Mexico:** The State of New Mexico.

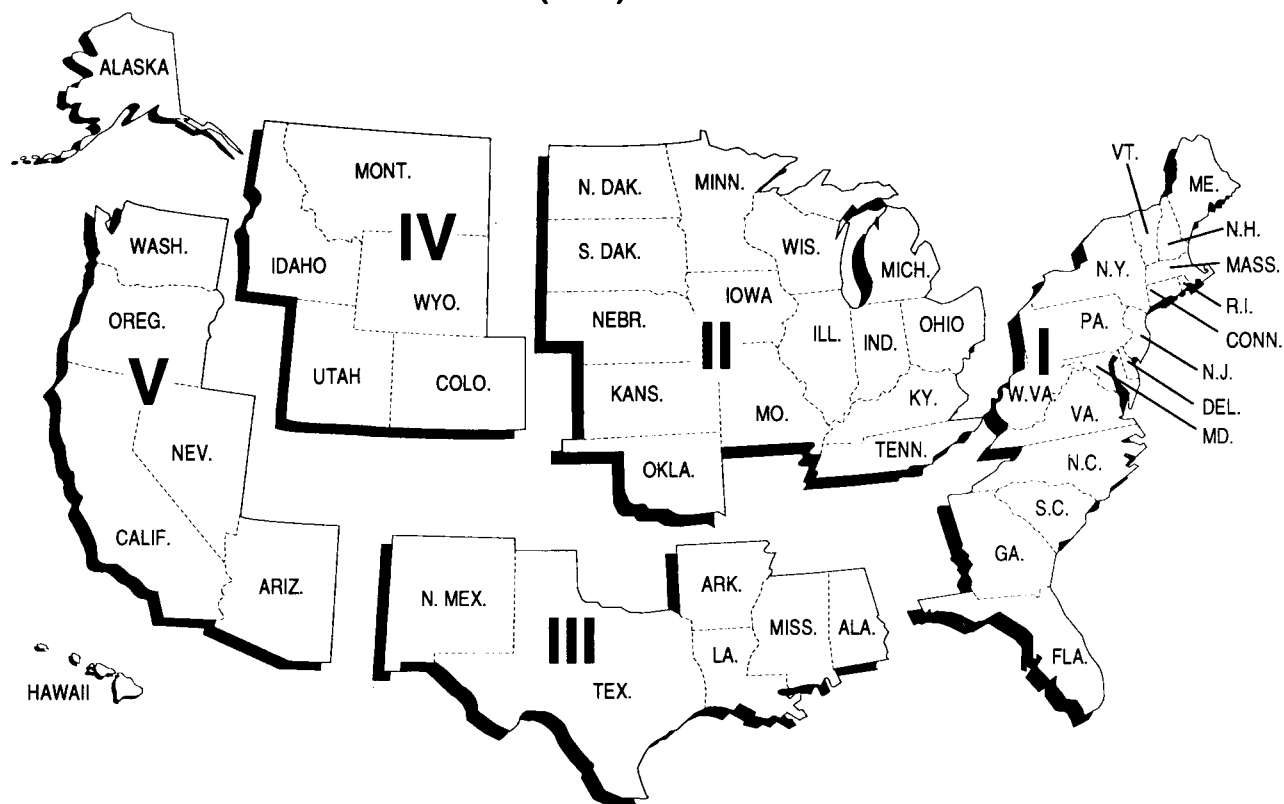
### PAD District IV

**Rocky Mountain:** The States of Montana, Idaho, Wyoming, Utah, and Colorado.

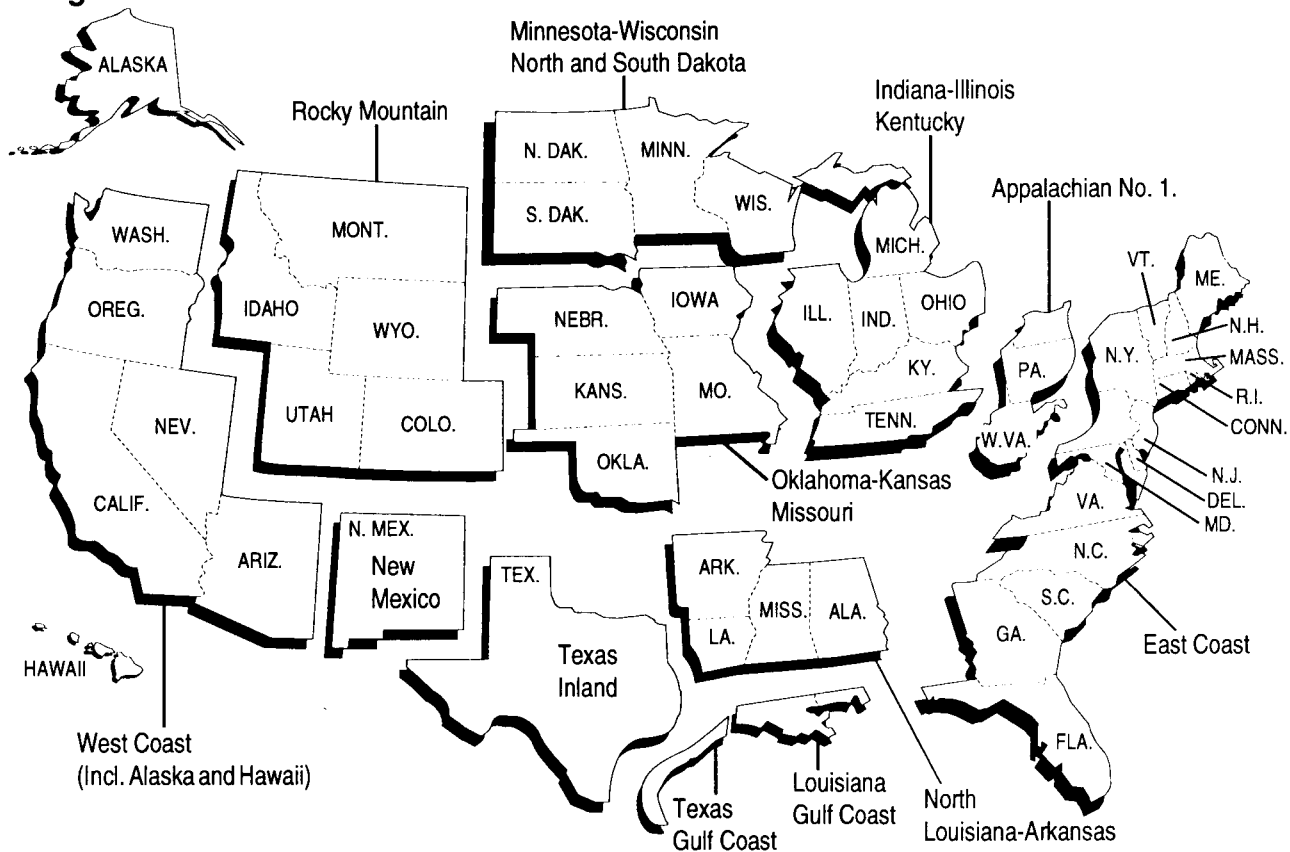
### PAD District V

**West Coast:** The States of Washington, Oregon, California, Nevada, Arizona, Alaska, and Hawaii.

## Petroleum Administration for Defense (PAD) Districts



## Refining Districts



## PSM Explanatory Notes

### Preface

The *Petroleum Supply Monthly (PSM)* is the monthly component of a series of three publications concerning the supply and disposition of crude oil and petroleum products produced by the Petroleum Division of the Energy Information Administration (EIA). The other two components are the *Weekly Petroleum Status Report (WPSR)* and the *Petroleum Supply Annual (PSA)*. Together these publications present a comprehensive snapshot of petroleum supply data on a weekly, monthly and yearly basis.

Data presented in the PSM describe the supply and disposition of petroleum products in the United States and major U.S. geographic regions. The data series describe production, imports and exports, inter-Petroleum Administration for Defense (PAD) District movements, and inventories by the primary suppliers of petroleum products in the United States (50 States and the District of Columbia). The reporting universe includes those petroleum sectors in primary supply: petroleum refiners, motor gasoline blenders, operators of natural gas processing plants and fractionators, inter-PAD District transporters, importers, and major inventory holders of petroleum products and crude oil. When aggregated, the data reported by these sectors approximately represent the consumption of petroleum products in the United States.

The PSM tables present statistics for the most current month available as well as year-to-date. In most cases, the statistics are presented for several geographic areas - the United States (50 States and the District of Columbia), five PAD Districts, and 12 Refining Districts. At the U.S. and PAD District level, the total volume and the daily rate of activities are presented. The statistics are developed from monthly survey forms submitted by respondents to the EIA and from data provided from other sources.

Final statistics for the data series published in the *PSM* are published in the *PSA*. The *PSA* is published approximately five months after the end of the report year.



## Appendix B. Explanatory Notes

### 1. Overview

#### A. The Energy Information Administration's Quality Guidelines

The data contained in the *Petroleum Supply Monthly (PSM)* are subject to separate information quality guidelines issued by the Office of Management and Budget (OMB), the Department of Energy (DOE), and Energy Information Administration (EIA). With available resources, EIA continually works to improve its systems in order to provide high quality information needed by public and private policymakers and decision makers. EIA has performance standards to ensure the quality (i.e., objectivity, utility, and integrity) of information it disseminates to the public. Quality is ensured and maximized at levels appropriate to the nature and timeliness of the disseminated information.

#### B. Concepts of Product Supply and Demand

Petroleum supply estimates contained in the PSM are often interpreted as an approximation of petroleum demand measured as product supplied. Product supplied is often called “implied” demand because it is a measure of demand that is implied by disappearance of petroleum products from facilities and activities in the “primary” supply chain. Facilities and activities in the primary supply chain include refineries and blending terminals, gas processing plants and fractionators, oxygenate producers, biodiesel producers, imports, exports, bulk storage terminals, and pipelines. Total product supplied in the PSM at the U.S. level is equal to the sum of field production, plus refinery and blender net production, plus renewable fuels, and oxygenate plant net production, plus imports, plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports. Net receipts are added as a component of supply at the PAD District level. Crude oil product supplied is normally zero because crude oil is processed in refineries and rarely, if ever, used directly.

The secondary system is that portion of the overall distribution network that falls between producers and end-users. Product typically flows in bulk from the primary supply system into the secondary system before delivery in small quantities to consumers (the tertiary system). The secondary system includes storage at bulk plants; at retail motor fuel outlets, such as service stations, truck stops, and convenience stores; and at retail fuel oil dealers. Bulk plants are wholesale storage facilities that have less than 50,000 barrels of storage capacity and, by definition, receive product only by tank car or truck, not by barge, tanker, or pipeline. Tertiary inventories are held by end users and include fuel in vehicle tanks, heating oil in residential tanks, fuel oil held by utilities, jet fuel stored in facilities operated by end users, and certain proprietary storage of raw materials (e.g. propane) for the chemical industry.

Data users sometimes consider demand as sales to the ultimate consumer or as the actual consumption of the product. Since there may be time delays between the movement of product into the primary market and its ultimate purchase or consumption, these definitions of demand require data on changes in secondary and/or tertiary stocks or the assumption that these values either remain constant or are small

compared to primary supply. The most recent study of secondary stocks was done by the National Petroleum Council in 1989. This study revealed that secondary distillate stocks were equal to about 6.9 percent of distillate stocks and 6.7 percent of distillate storage capacity.

#### C. Components of Supply and Disposition

The detailed statistics tables in the PSM provide complete supply and disposition information for the current month and year to date. The tables are organized to locate National and Petroleum Administration for Defense (PAD) District supply and disposition data at the front followed by tables that contain detailed information on supply and disposition. These include tables on crude oil and petroleum product production, import/export data, stocks information, and lastly, data on crude oil and petroleum product movements. To assist in the interpretation of these tables, the following discussion of supply, disposition, and ending stocks as shown in Tables 1– 25 is provided. The categories and products are defined in the EIA Glossary.

##### (1.) Supply

a. Field Production - Total Field Production is the sum of crude oil production and natural gas plant liquids and liquefied refinery gases production.

Crude oil production is an estimate based on data received from State conservation agencies and the Mineral Management Service of the U.S. Department of the Interior. Refer to “Domestic Crude Oil Production” in Section 2C (1) for further details.

Field production of natural gas plant liquids is reported on Form EIA-816 and published on a net basis (i.e., production minus inputs).

b. Renewable Fuels and Oxygenate Plant Net Production - Renewable Fuels and Oxygenate Plant Net Production are reported on Forms EIA-819 and EIA-22M. Production includes oxygenates (fuel ethanol, ETBE, MTBE, and other oxygenates) plus negative production of pentanes plus, finished motor gasoline, and motor gasoline blending components added to fuel ethanol as denaturants as well as biodiesel. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reported as input during the same month.

c. Refinery and Blender Net Production – Refinery and Blender Net Production is reported on Form EIA-810 and EIA-815. Refinery and Blender Net Production equals refinery and blenders production minus refinery and blender net inputs. Negative production of finished petroleum products will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the

same month.

d. Imports - Imports include receipts of goods into the 50 States and the District of Columbia from U.S. possessions and territories or from foreign countries.

e. Net Receipts – Net Receipts data are included in tables containing PAD District-level data to account for inter-PAD District movements of crude oil and petroleum products. Net receipts for a PAD District are calculated by subtracting shipments out of the PAD District from receipts into the PAD District. Net Movements of Crude Oil and Petroleum Products by Pipeline, Tanker, and Barge, and Rail between PAD Districts are shown in Table 60.

f. Adjustments – This column includes adjustment quantities for crude oil, fuel ethanol, motor gasoline blending components, biodiesel (included in “Renewable Fuels Except Fuel Ethanol”) and distillate fuel oil. Adjustment quantities are derived either to balance supply and disposition for selected products or to reclassify one product to another product. Product supplied is the balancing item for most products and is interpreted as an implied measure of petroleum demand. Adjustments are used in cases where it does not make sense to interpret the balancing item as demand. Reclassifications reported in the adjustments column may be implied by the supply and disposition balance or reported on surveys. Recall that supply at the U.S. level is equal to the sum of field production, renewable fuels and oxygenate plant net production, refinery and blender net production, imports, and adjustments. Disposition at the U.S. level is equal to the sum of stock change, refinery and blender net inputs, exports, and products supplied. At the PAD District level, supply components include net receipts equal to gross receipts from other PAD Districts minus gross shipments to other PAD Districts. In every case, supply must equal disposition. Applicable components of supply and disposition vary depending on the product or product group. Unless otherwise noted in Section 2C, adjustment calculations that balance supply and disposition equal disposition minus supply for the U.S. and for each PAD District.

## (2.) Disposition

a. Stock Change – Stock Change is calculated as the difference between the current month Ending Stocks column and the Ending Stocks column in the prior month’s publication. A negative number indicates a decrease in stocks and a positive number indicates an increase in stocks.

b. Refinery and Blender Net Inputs – Refinery and Blender Net Inputs are inputs of crude oil and intermediate materials (unfinished oils, motor and aviation gasoline blending components, liquefied petroleum gases, pentanes plus, hydrogen, oxygenates, renewable fuels, and other hydrocarbons) that are processed at refineries or blended at terminals to produce finished petroleum products.

Crude oil input represents total crude oil (domestic and foreign) input to atmospheric crude oil distillation units and other refinery processing units (e.g. vacuum distillation units).

Inputs of natural gas plant liquids are refinery input of natural gas liquids received from natural gas plants for blending and processing. Published inputs of natural gas plant liquids are reported on a gross basis.

Inputs of unfinished oils, motor gasoline blending components, and aviation gasoline blending components are published on a net basis (i.e., refinery input minus refinery production). Negative inputs of unfinished oils and motor and aviation gasoline blending components will occur when the amount of a product produced during the month is greater than the amount of that same product that is input or reclassified to become another product during the same month.

c. Exports - Exports include shipments from the 50 States and the District of Columbia to Puerto Rico, the Virgin Islands, other U.S. possessions and territories and to foreign countries.

d. Products Supplied - Products supplied is equal to field production, plus renewable fuels and oxygenate plant net production, plus refinery and blender net production, plus imports, (plus net receipts on a PAD District basis), plus adjustments, minus stock change, minus refinery and blender net inputs, minus exports.

Product supplied value indicates those quantities of petroleum products supplied for domestic consumption. Occasionally, the result for a product is negative because total disposition of the product exceeds total supply. Negative product supplied may occur for a number of reasons: (1) product reclassification has not been reported; (2) data were misreported or reported late; (3) in the case of calculations on a PAD District basis, the figure for net receipts was inaccurate because the coverage of inter-PAD movements was incomplete; and (4) products such as gasoline blending components and unfinished oils have entered the primary supply channels with their production not having been reported, e.g., streams returned to refineries from petrochemical plants.

Beginning with data for January 2010, product supplied for crude oil is assumed equal to zero. Prior to January 1983, crude oil burned on leases and by pipelines as fuel was reported as either distillate or residual fuel oil and was included in product supplied for these products. From January 1983 through December 2009, crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report.” Reporting of crude oil used directly was discontinued on Form EIA-813 after December 2009.

## (3.) Ending Stocks

Ending stocks are primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals.

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary

Crude oil that is in-transit by water from Alaska and crude oil stored in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage. Primary stocks of petroleum products also exclude secondary stocks held by dealers and jobbers and tertiary stocks held by consumers. Product stocks held as reserves by federal and state agencies are excluded from primary stock quantities reported by EIA, but quantities held in selected government reserves are provided in Appendix D.

Primary stocks of crude oil included barrels held on producing sites (lease stocks) until June 2016. Primary stocks of crude oil excluded lease stocks beginning with release of PSM data for July 2016 on September 30, 2016. Historical crude oil stocks in Petroleum Navigator were revised beginning with data for January 2005 to exclude lease stocks. Petroleum Navigator data may be accessed from the following locations on the EIA web site.

[http://www.eia.gov/dnav/pet/pet\\_sum\\_snd\\_d\\_nus\\_mbbbl\\_m\\_cur.htm](http://www.eia.gov/dnav/pet/pet_sum_snd_d_nus_mbbbl_m_cur.htm)  
[http://www.eia.gov/dnav/pet/pet\\_sum\\_crdsnd\\_k\\_m.htm](http://www.eia.gov/dnav/pet/pet_sum_crdsnd_k_m.htm)  
[http://www.eia.gov/dnav/pet/pet\\_stoc\\_typ\\_c\\_nus\\_EPC0\\_mbbbl\\_m.htm](http://www.eia.gov/dnav/pet/pet_stoc_typ_c_nus_EPC0_mbbbl_m.htm)

## 2. Components - Forms Discussions

The data presented in the PSM include data collected by the EIA on nine monthly petroleum supply surveys, export data obtained from the U. S. Bureau of the Census, and crude production data obtained from State conservation agencies and the Minerals Management Service of the U. S. Department of Interior.

### A. Petroleum Supply Reporting System

The nine monthly petroleum supply surveys are part of the Petroleum Supply Reporting System (PSRS). The PSRS tracks the supply and disposition of crude oil, petroleum products, and natural gas liquids in the United States. The PSRS is organized into two data collection subsystems: the Weekly Petroleum Supply Reporting System (WPSRS) and the Monthly Petroleum Supply Reporting System (MPSRS). The WPSRS processes the data from the seven weekly surveys. The MPSRS includes nine monthly surveys and one annual survey. The survey forms that comprise the PSRS are:

1. EIA-800, "Weekly Refinery Report,"
2. EIA-802, "Weekly Product Pipeline Report,"
3. EIA-803, "Weekly Crude Oil Stocks Report,"
4. EIA-804, "Weekly Imports Report,"
5. EIA-805, "Weekly Terminal Blender Report,"
6. EIA-809, "Weekly Oxygenate Report,"
8. EIA-22M, "Monthly Biodiesel Production Survey,"
9. EIA-810, "Monthly Refinery Report,"
10. EIA-812, "Monthly Product Pipeline Report,"
11. EIA-813, "Monthly Crude Oil Report,"
12. EIA-814, "Monthly Imports Report,"
13. EIA-815, "Monthly Terminal Blender Report,"
14. EIA-816, "Monthly Natural Gas Liquids Report"
15. EIA-817, "Monthly Tanker and Barge Movement Report"
16. EIA-819, "Monthly Oxygenate Report"

### 17. EIA-820, "Annual Refinery Report."

Both weekly and monthly surveys are administered at six key points along the petroleum production and supply chain including refineries, fractionators, natural gas processing plants, bulk product storage and blending terminals, crude oil and product pipelines, crude oil stock holders, importers, and renewable fuel (biodiesel and fuel ethanol) and oxygenate producing plants. Monthly surveys also include inter-PAD District movements by pipelines, tankers, and barges. Weekly surveys do not capture petroleum movements. Respondents reporting on weekly surveys are sampled from among the respondents reporting on monthly surveys.

Annual U.S. refinery capacity data are collected on the Form EIA-820, "Annual Refinery Report." The EIA-820 data are published in the annual "Refinery Capacity Report."

### B. Monthly Supply Survey Description and Methodology

#### (1.) Description of Surveys Forms

Copies of the survey forms and instructions can be found at: [http://www.eia.doe.gov/oil\\_gas/petroleum/survey\\_forms/pet\\_survey\\_forms.html](http://www.eia.doe.gov/oil_gas/petroleum/survey_forms/pet_survey_forms.html)

The Form EIA-22M "Monthly Biodiesel Production Survey" collects data on biodiesel plant location, operating status, annual production capacity, monthly biodiesel and co-product production, stocks, input of feedstocks, alcohol, and catalysts, and biodiesel sales.

The Form EIA-810, "Monthly Refinery Report," collects data on refinery input and capacity, sulfur content and API gravity of crude oil, and data on supply (beginning stocks, receipts, and production) and disposition (inputs, shipments, fuel use and losses, and ending stocks) of crude oil and refined products. Working and shell storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-812, "Monthly Product Pipeline Report," collects data on end-of-month stocks and movements of petroleum products transported by pipeline. Intermediate movements for pipeline systems operating in more than two PAD Districts are included. Product pipeline tank storage capacity for selected products is collected on a semi-annual basis.

The Form EIA-813, "Monthly Crude Oil Report," collects data on end-of-month stock levels of crude oil held at pipeline and tank farms (associated with the pipelines) and terminals operated by the reporting company. Also, crude oil consumed by pipelines and on leases as pump fuel, boiler fuel, etc., is reported. Data are reported on a PAD District basis. Total Alaskan crude oil stocks in-transit by water (including stocks held at transshipment terminals between Alaska and the continental United States) to the 50 States, the District of Columbia, Puerto Rico, and the Virgin Islands are also reported by the transporting company having custody of the stocks. Inter-PAD District movements of crude oil by pipeline are collected by the shipping and receiving PAD District. Intermediate movements for pipeline systems operating in more than two PAD Districts

are not included. Crude oil storage capacity of tank farms is collected on a semi-annual basis.

The Form EIA-814, “Monthly Imports Report,” collects data on imports of crude oil and petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands, and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), and (3) from Puerto Rico, the Virgin Islands, and other U.S. possessions into the 50 States and the District of Columbia. Imports into Foreign Trade Zones located in the 50 States and the District of Columbia are considered imports into the 50 States and the District of Columbia. The type of commodity, port of entry, country of origin, quantity (thousand barrels), sulfur percent by weight, API gravity, and name and location of the processing or storage facility are reported. Sulfur percent by weight is requested for crude oil, crude oil burned as fuel, and residual fuel oil only. API gravity is requested for crude oil only. The name and location of the processing or storage facility is requested for crude oil, unfinished oils, and gasoline blending components only.

The Form EIA-815, “Monthly Terminal Blender Report,” collects data on the operations of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands, Guam, and other U. S. possessions. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and fuel use and losses during the month are collected from operators of terminals. Working and shell storage capacity is collected on a semi-annual basis.

The Form EIA-816, “Monthly Natural Gas Liquids Report,” collects data on the operations of natural gas processing plants and fractionators. Beginning and end-of-month stocks, receipts, inputs, production, shipments, and plant fuel use and losses during the month are collected from operators of natural gas processing plants. End-of-month stocks are collected from fractionators.

The Form EIA-817, “Monthly Tanker and Barge Movement Report,” collects data on the movements of crude oil and petroleum products between PAD Districts. Data are reported by shipping and receiving PAD District and sub-PAD District. Shipments to and from the Panama Canal are also included if the shipment was delivered to the Canal.

The Form EIA-819, “Monthly Oxygenate Report” collects facility-level data on oxygenate inputs, production, gasoline blending at ethanol plants, and end-of-month stocks. Data on end-of-month stocks are reported on a custody basis regardless of ownership. Fuel ethanol storage capacity is collected on a semi-annual basis.

## (2.) Frame

EIA maintains complete lists of respondents to its monthly surveys. Each survey has a list of companies and facilities required to submit petroleum activity data. This list is known as the survey frame. Frame maintenance procedures are used to monitor the status of petroleum companies and facilities

currently contained in each survey frame as well as to identify new members to be added to the frame. As a result, all known petroleum supply organizations falling within the definition of “Who Must Submit” participate in the survey.

The activities for frames maintenance are conducted on an ongoing basis. Monthly frames maintenance procedures focus on examining industry periodicals that report changes in status (births, deaths, sales, mergers, and acquisitions) of petroleum facilities producing, transporting, importing, and/or storing crude oil and petroleum products. Augmenting these sources are articles in newspapers, notices from respondents, and information received from survey systems operated by other offices. Survey managers review these sources regularly to monitor changes in company operations and to develop lists of potential respondents. These activities assure coverage of the reporting universe and maintain accurate facility information on addresses and ownership.

Respondents to Form EIA-22M “Monthly Biodiesel Production Survey” include operators of plants that produce biodiesel meeting ASTM D 6751-07B specifications and used for commercial purposes.

Respondents to Form EIA-810, “Monthly Refinery Report” include operators of all operating and idle petroleum refineries located in the 50 States, the District of Columbia, Puerto Rico, the Virgin Islands, Guam and other U.S. possessions.

Respondents to Form EIA-812, “Monthly Product Pipeline Report” include all product pipeline companies that carry petroleum products (including interstate, intrastate, and intra-company pipelines) in the 50 States and the District of Columbia.

Respondents to Form EIA-813, “Monthly Crude Oil Report” include all companies which carry or store 1,000 barrels or more of crude oil. Included in this survey are gathering and trunk pipeline companies (including interstate, intrastate, and intra-company pipelines), crude oil tank farm operators, and companies transporting Alaskan crude oil by water (to U.S. ports) in the 50 States and the District of Columbia.

Respondents to Form EIA-814, “Monthly Imports Report” include each importer of record (or Ultimate consignee in some situations regarding Canadian imports) that import crude oil or petroleum products (1) into the 50 States and the District of Columbia, (2) into Puerto Rico, the Virgin Islands and other U.S. possessions (Guam, Midway Islands, Wake Island, American Samoa, and Northern Mariana Islands), (3) into Foreign Trade Zones located in the 50 States and the District of Columbia and (4) from Puerto Rico, the Virgin Islands and other U.S. possessions into the 50 States and the District of Columbia. A report is required only if there has been an import during the month unless the importer has been selected as part of a sample to report every month regardless of activity.

Respondents to Form EIA-815, “Monthly Terminal Blender Report” include operators of all bulk terminals located in the 50 States, District of Columbia, Puerto Rico, the Virgin Islands,

Guam, and other U. S. possessions must report. A bulk terminal is primarily used for storage, marketing, and often blending of petroleum products and has a total bulk storage capacity of 50,000 barrels or more, and/or receives petroleum products by tanker, barge, or pipeline. Bulk terminal facilities associated with a product pipeline are included.

Respondents to Form EIA-816, "Monthly Natural Gas Liquids Report" include operators of all facilities that extract liquid hydrocarbons from a natural gas stream (natural gas processing plant) and/or separate a liquid hydrocarbon stream into its component products (fractionator).

Respondents to Form EIA-817, "Monthly Tanker and Barge Movement Report" include all companies that have custody of crude oil or petroleum products transported by tanker or barge between Petroleum Administration for Defense Districts and all companies that have custody of crude oil or petroleum products originating from a PAD District and transported to the Panama Canal with the intent that the crude oil or petroleum products be further transported to another PAD District.

For purposes of this report, custody is defined as physical possession of crude oil or petroleum products on a company-owned tanker or barge. Also, companies that lease vessels or contract for the movement of crude oil or petroleum products on a tanker or barge between PAD Districts are considered to have custody.

Respondents to Form EIA-819, "Monthly Oxygenate Report" include all operators of facilities that produce (manufacture or distill) oxygenates (including MTBE plants, petrochemical plants, and refineries that produce oxygenates as part of their operations located in the 50 States and the District of Columbia.)

### (3.) Collection

Survey data for the MPSRS are collected by facsimile, email, Internet using secure file transfer, and electronic transmission. All respondents must submit their data by the 20th calendar day following the end of the report month. Receipt of the reports is monitored using an automated respondent mailing list. Telephone follow-up calls are made to nonrespondents prior to the publication deadline. Respondents who are chronically late (i.e., 3 consecutive months) are notified by EIA by certified letter.

### (4.) Processing and Micro Editing

Upon receipt, all reported data are transformed into a standard format and sent through a log-in and prescreening process to validate respondent control information and resolve any discrepancies. The data are then processed using generalized edit and imputation procedures. Automated editing procedures check current data for consistency with past data and for internal consistency (e.g., totals equal to the sums of the parts). After the edit failures are resolved and imputation performed for nonrespondents, preliminary tables are produced and used to identify anomalies. These tables show U.S. and PAD District estimates for the current month and the prior 4 years. Anomalies

result in further review of respondent data which in turn may result in additional flagged data and imputation.

### (5.) Estimation and Imputation

The nine monthly supply surveys are census surveys. As such, the estimates using these data are the sum of the edited, reported data. Imputation is performed for companies that fail to file Forms EIA-22M, 810, 812, 813, 815, 816, and 819. For these companies, previous monthly values and values reported on the weekly survey forms are used if available. Data for nonrespondents to the Forms EIA-814 and 817 are not imputed because respondent-level data for these surveys are highly variable.

Adjustments are made to aggregate data from time to time. For example, unusual industry conditions, including fuel transitions, business practice shifts, or hurricane dislocations, may generate reporting anomalies and require adjustments. Measurement error and frame deficiencies may occasionally result in inconsistencies when individual respondent data are aggregated to publication levels and require adjustment. Monthly supply data are reviewed throughout the year and some estimates may be replaced with newly available or resubmitted respondent data in the *Petroleum Supply Annual (PSA)*.

### (6.) Macro Editing

Monthly data are compared to weekly data on a regular basis. Discrepancies between weekly and monthly data are documented and respondents are called when discrepancies are either large (usually over 300 thousand barrels) or consistent (e.g., weekly data are always lower than monthly data). In addition, a comparison of the data collected on the PSRS with other similar data series from sources outside of the EIA is performed on an ongoing basis. Results of selected data comparisons are published once a year in the feature article, "Comparison of Independent Statistics on Petroleum Supply." Additional comparisons are made between survey data and model results. Data reported in the Petroleum Supply Monthly and Petroleum Supply Annual are routinely imputed to correct for cases where comparison with other data suggests errors in survey data.

### (7.) Dissemination

The *PSM* data are normally released within 60 days of the close of the reference month. The *PSM* is available on the web at:

<http://www.eia.gov/petroleum/supply/monthly/>

Much of the *PSM* data are available on the web product, Petroleum Navigator. Petroleum Navigator provides an interface for accessing a comprehensive set of EIA's petroleum data. Features include: downloadable spreadsheets containing complete data history, data tables which "pivot" to present different perspectives, and selection boxes to easily change the product, area, process, period, and unit of measure. Petroleum Navigator can be accessed at: <http://www.eia.gov/petroleum/data.cfm>

## C. Derived Data

Due to the time constraints in publishing monthly petroleum supply statistics and the desire to reduce industry response burden, some of the statistics published in the PSM are obtained from sources other than the monthly supply surveys. These other sources include models to data and data from supplemental sources such as the Bureau of the Census.

### (1.) Domestic Crude Oil Production

The interim estimate of U.S., PAD District, and state oil production for the current reference month, published in Tables 1 through 26 of the PSM, are based on:

- (a.) crude oil production data from state government agencies and the Department of the Interior, Bureau of Safety and Environmental Enforcement;
- (b.) crude oil production data reported on Form EIA-914, "Monthly Crude Oil, Lease Condensate, and Natural Gas Production Report." For some states, EIA uses current reported data from the state (chiefly Alaska). For the states of Arkansas, California, Colorado, Kansas, Louisiana, Montana, New Mexico, North Dakota, Ohio, Oklahoma, Pennsylvania, Texas, Utah, West Virginia, Wyoming, and the Federal Gulf of Mexico, EIA calculates an estimate by modeling the relationship between final state-level data from DrillingInfo, a third-party vendor of well-level data collected by state agencies, and data reported on the EIA-914 survey using weighted least squares (WLS) linear regression. Additional explanation of the WLS estimation methodology is available. Estimates have to be made for crude oil production because complete and correct data from states may take from several months to over two years.
- (c.) first purchase data reported on Form EIA-182 "Domestic Crude Oil First Purchase Report." For the remaining states and areas (Alabama, Arizona, Federal Pacific Offshore, Florida, Idaho, Illinois, Indiana, Kentucky, Maryland, Michigan, Mississippi, Missouri, Nebraska, Nevada, New York, Oregon, South Dakota, Tennessee, and Virginia) EIA calculates an estimate by using the average lagged ratio (ALR) of the state reported data to EIA-182 data, applied to the current EIA-182 data. Additional explanation of the ALR estimation methodology is available.

State-level production estimates are published in Table 26, "Production of Crude Oil by PAD District and State." Table 26 contains estimates for crude oil production for state and federal offshore areas reported by state agencies and the Bureau of Safety and Environmental Enforcement or estimated by EIA using the ALR or WLS methods discussed above. Every month, the monthly crude oil production estimates are updated in Table 26 of the Petroleum Supply Monthly (<http://www.eia.gov/petroleum/supply/monthly/>) using reports from state agencies and the Bureau of Safety and Environmental Enforcement. The estimates are reported in the Petroleum

Navigator and the Petroleum Supply Monthly roughly 60 days after the production month.

### (2.) Exports

The U.S. Bureau of the Census compiles the official U.S. export statistics. Exporters are required to file a "Shipper's Export Declaration Document" with the U.S. Census Bureau. Each month the EIA receives aggregated export statistics from the U.S. Bureau of the Census (EM-522 and EM-594). Census export statistics used in the PSM reflect both government and non-governmental exports of domestic and foreign merchandise from the United States (the 50 States and the District of Columbia) to foreign countries and U.S. possessions, without regard to whether or not the exportation involves a commercial transaction. The following types of transactions are excluded from the statistics:

- Merchandise shipped in transit through the United States from one foreign country to another, when documented as such with U.S. Customs.
- Bunker fuels and other supplies and equipment for use on departing vessels, planes, or other carriers engaged in foreign trade.

The country of destination is defined as the country of ultimate destination or the country where the goods are to be consumed, further processed, or manufactured, as known to the shipper at the time of exportation. If the shipper does not know the country of ultimate destination, the shipment is credited to the last country to which the shipper knows that the merchandise will be shipped in the same form as it was when exported.

### (3.) Movements of crude oil by railroad

The volume of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane moving by railroad is calculated using several data sources including Carload Waybill Sample (CWS) data from the U.S. Surface Transportation Board (STB), data from the National Energy Board of Canada (NEB), data in EIA's Oil and Gas Supply Module (OGSM) within the National Energy Modeling system (NEMS) for data prior to 2015, the EIA-915 survey starting in January 2015, and an estimation procedure developed by EIA for months in which data these data are not available.

Once the data necessary for calculating rail movements become available, which may take as long as 60 days after the end of a calendar quarter, EIA will revise the estimates made.

Movements of crude oil, ethanol, biodiesel, propane, propylene, normal butane, and isobutane by rail are based on EIA analysis of carload data from the STB CWS. Additional data from the NEB, OGSM, and the EIA-915 are used for estimating factors for converting carloads to barrels of crude oil. Carloads of ethanol, biodiesel, propane, propylene, normal butane, and isobutane are converted to barrels using data from the CWS.

Carload data from the STB are available approximately 60 days after the end of each quarter. For example, carload data for the first quarter of each year are typically available by about June 1. Therefore, recent-month rail movements reported by EIA in the Petroleum Supply Monthly and Petroleum Navigator are modeled based on historical rail movement averages, medians, or correlations of rail movements derived from actual carload data with other regional supply data collected by EIA or other sources including field production, imports, refinery and blender inputs, movements other than rail, exports, and supply adjustments.

Estimates of rail movements are subject to revision on a monthly basis as new, more complete, and more accurate data become available. Monthly revisions will typically affect data available through Petroleum Navigator on the EIA web site for the current year and up to two prior years. To the extent that revisions are needed to data more than 2 years in the past, these revisions will be made once a year at the time when Petroleum Navigator tables are updated with final data for a year from the Petroleum Supply Annual. Petroleum Supply Monthly and Petroleum Supply Annual tables released as PDF files will not be revised.

#### (4.) Stocks of Crude Oil held on Producing Sites (Lease Stocks)

The adjustment for lease stocks was discontinued beginning with PSM data for July 2016 released on September 30, 2016 because EIA discontinued reporting crude oil stocks held on producing sites (lease stocks). The lease stock adjustment remains in all historical EIA lease stocks data.

This adjustment corrects for incomplete survey coverage of companies that store crude oil on leases. Up until 1983, monthly state government data on lease stocks were substituted for EIA data wherever possible in order to rectify the understatement of lease crude oil stocks. State data were available from three states - Texas, New Mexico, and Montana. To calculate the “lease adjustment,” a comparison between EIA reported data and the state government data was made and the difference added to the EIA data for the respective states.

In 1983, the EIA modified the Form EIA-813 to eliminate state data on crude oil stocks and began collecting crude oil stock data by Petroleum Administration for Defense (PAD) District. With this change, the “lease adjustment” could no longer be calculated on a state basis and was changed to a PAD District level. To adjust for this incomplete coverage, 10,300 thousand barrels of crude oil are added to PAD District 3 stocks and 330 thousand barrels are added to PAD District 4 stocks.

#### (5.) Trans-Alaska Pipeline System (TAPS) Natural Gas Plant Liquids (NGPL Adjustment)

The TAPS-NGPL adjustment corrects for overstatement of crude oil receipts and input at refineries due to NGPL injection into Alaskan crude oil transported in TAPS. Natural gas

processing plants in Alaska produce substantial volumes of NGPL that are added to crude oil transported through TAPS. Refiners have been unable to separate the volume of NGPL from Alaskan crude oil when reporting crude oil receipts and inputs to EIA. The TAPS-NGPL adjustment subtracts Alaskan NGPL production reported by selected gas processing plant operators from crude oil receipts and inputs reported by refiners. Adjusted NGPL production is added to refinery receipts and inputs of NGPL. The adjusted NGPL barrels are allocated to PAD Districts based on the regional distribution of receipts of Alaskan crude oil. Data most affected by the TAPS-NGPL adjustment are receipts and inputs of crude oil in PAD District 5 and receipts, inputs, and product supplied of butane and pentanes plus also in PAD District 5.

NGPL injections into crude oil transported in the TAPS started in 1987. The TAPS-NGPL adjustment was first applied to revised data reported in the Petroleum Supply Annual (PSA) for 1988.

#### (6.) Finished Motor Gasoline Adjustment

Adjustment quantities for finished motor gasoline are the sum of motor gasoline blending components, fuel ethanol, and methyl tertiary butyl ether (MTBE) adjustments reclassified to finished motor gasoline. Finished motor gasoline adjustment quantities are assumed to reflect gasoline blending activity that was not reported on surveys.

**Note on MTBE Adjustment:** The MTBE portion of the gasoline adjustment described in this section was only applied to Petroleum Supply Monthly (PSM) data for 2009. The MTBE portion of the gasoline adjustment was discontinued after further examination of the issue made clear the MTBE adjustment was not helpful in forming an accurate statistical representation of U.S. and regional gasoline supplies. The MTBE adjustment was not applied to gasoline supply and disposition data in years prior to 2009, nor was it applied to revised data for 2009 published in the Petroleum Supply Annual or in years after 2009. This note only applies to MTBE adjustments. MTBE blending that was reported on EIA surveys is reflected in U.S. and regional gasoline supply and disposition data. Other adjustments to gasoline supply and disposition data to account for motor gasoline blending components and fuel ethanol remain as described in this section.

- Adjustment quantities for finished reformulated motor gasoline include adjustments for reformulated blendstock for oxygenate blending (RBOB) plus a percentage of gasoline treated as blendstock (GTAB), “other” motor gasoline blending components, fuel ethanol, and MTBE. The quantity of GTAB and “other” motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline is based on the ratio of finished reformulated motor gasoline net production divided by total finished motor gasoline net production reported on surveys by refiners and blenders in each

PAD District. Motor gasoline blending components adjustments reclassified to finished reformulated motor gasoline are further classified as blended with alcohol (i.e. fuel ethanol), blended with ether (i.e. MTBE), or non-oxygenated during 2009.

Starting with data for January 2010, motor gasoline blending component adjustment quantities were classified only as blended with fuel ethanol and “other”. During 2009, RBOB adjustment quantities were classified based on the product description that included reference to the oxygenate to be blended. Beginning with data for January 2010, all RBOB is reported in one product category without reference to specific oxygenates, and all RBOB adjustment quantities are assumed blended with fuel ethanol. During 2009, adjustment quantities for GTAB and “other” motor gasoline blending components reclassified to finished reformulated gasoline were further classified as blended with ether, blended with alcohol, or non-oxygenated based on the ratio of production of these products in reported survey data. After determining adjustment quantities of motor gasoline blending components reclassified to each type of finished reformulated motor gasoline, portions of the fuel ethanol and MTBE adjustments were reclassified to reformulated motor gasoline. The fuel ethanol quantity reclassified to finished reformulated motor gasoline was determined using the ratio of fuel ethanol blended into finished motor gasoline calculated from fuel ethanol blending data reported on survey forms by PAD District. For example, if the calculated volumetric fuel ethanol blend ratio was 10%, then a quantity of the fuel ethanol adjustment sufficient to make a 10% blend with the available motor gasoline blending components is reclassified to finished reformulated motor gasoline, but the quantity of fuel ethanol cannot exceed the total quantity of the fuel ethanol adjustment. During 2009, a similar process was followed for allocating the MTBE adjustment to reformulated motor gasoline except the blend ratio was assumed to be 12% in all PAD Districts. Starting with data for January 2010, the entire MTBE adjustment quantity is assumed to be blended with finished conventional motor gasoline.

- Adjustment quantities for finished conventional motor gasoline include adjustments for conventional blendstock for oxygenate blending (CBOB) plus the portion of GTAB, “other” motor gasoline blending components, fuel ethanol and MTBE adjustments that were not reclassified to finished reformulated motor gasoline. The total adjustment to finished conventional motor gasoline is further classified as finished conventional gasoline blended with fuel ethanol and “other” finished conventional motor gasoline. The quantity of the finished conventional motor gasoline adjustment reclassified as finished conventional motor gasoline blended with fuel ethanol is determined using the quantity of the fuel ethanol adjustment allocated

to finished conventional motor gasoline and the fuel ethanol blend ratio calculated from fuel ethanol blending reported on surveys by PAD District. For example, if the fuel ethanol blend ratio calculated from survey data was 10% in a PAD District, then the total adjustment quantity of finished conventional motor gasoline in that PAD District would be 10 times the fuel ethanol adjustment quantity allocated to finished conventional gasoline (i.e. the adjustment to finished conventional motor gasoline blended with fuel ethanol includes 10% fuel ethanol and 90% gasoline from the motor gasoline blending components adjustment). The MTBE adjustment allocated to finished conventional motor gasoline is simply added to the adjustment for “other” finished conventional motor gasoline.

- Fuel ethanol adjustment quantities frequently exceed the volume of fuel ethanol needed to achieve a blend ratio implied by blending activity reported by refiners and blenders on surveys when considering only the gasoline barrels available from the motor gasoline blending components adjustment. In this case, “other” finished conventional motor gasoline is reclassified by the adjustment to finished conventional motor gasoline blended with alcohol in order to maintain an ethanol blend ratio equal to the fuel ethanol blend ratio reported by refiners and blenders in each PAD District.

#### (7.) Motor Gasoline Blending Components Adjustment

Adjustment quantities for motor gasoline blending components at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports and renewable fuels and oxygenate plant net production (i.e. motor gasoline blending components use as denaturant for fuel ethanol production). Adjustment quantities by PAD District equal the sum of stock change, refinery and blender net input, and exports minus the sum of imports, renewable fuels and oxygenate plant net production, and net receipts. Motor gasoline blending components adjustments are calculated for reformulated blendstock for oxygenate blending (RBOB), conventional blendstock for oxygenate blending (CBOB), gasoline treated as blendstock (GTAB), and “other” motor gasoline blending components. Product supplied for motor gasoline blending components is assumed to always equal zero because there is no end-user demand for motor gasoline blending components as anything other than finished motor gasoline. Motor gasoline blending components adjustment quantities are assumed to reflect finished motor gasoline blending implied by the supply and disposition balance but not reported on surveys. Adjustment quantities for motor gasoline blending components are reclassified to finished motor gasoline and added to the finished motor gasoline adjustment.

#### (8.) Renewable Fuels including Fuel Ethanol Adjustment

Adjustment quantities for renewable fuels (including fuel ethanol) at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum



of renewable fuels and oxygenate plant net production and imports. Calculation of adjustment quantities by PAD District depends on the product. Individual products include fuel ethanol, biomass based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). Product supplied for renewable fuels (including fuel ethanol) is assumed equal to zero. Adjustments for fuel ethanol and “other” renewable fuels are discussed separately below.

- Fuel ethanol adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of fuel ethanol between PAD Districts, and so allocation of fuel ethanol adjustments to PAD Districts is based on the ratio of fuel ethanol blending reported on surveys in each PAD District divided by fuel ethanol blending reported on surveys for the entire U.S. In this case, Fuel ethanol implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Fuel ethanol implied net receipts are the balancing item between total supply and disposition in each PAD District. Fuel ethanol adjustment quantities are assumed to reflect blending of fuel ethanol into finished motor gasoline that is implied by the available supply of fuel ethanol but not reported on surveys. Fuel ethanol adjustment volumes are reclassified to finished reformulated motor gasoline and finished conventional motor gasoline through finished motor gasoline adjustments.

- The product category called “renewable fuels except fuel ethanol” includes biomass-based diesel fuel (including biodiesel), “other” renewable diesel fuel, and “other” renewable fuels (e.g. bio-jet fuel). For PSM data prior to January 2012, renewable fuels except fuel ethanol adjustment quantities at the U.S. and PAD District levels were calculated as the sum of stock change, refinery and blender net input, and exports minus imports. Data for production of Renewable Fuels except Fuel Ethanol was unavailable and was excluded from Renewable Fuels and Oxygenate Plant Net Production. Therefore the calculation of adjustments to Renewable Fuels except Fuel Ethanol caused production to be included in the adjustment. Similarly, the calculation caused net inter-PAD District movements (i.e. net receipts) by rail and truck to also be included in adjustments to renewable fuels except fuel ethanol.

- Beginning with PSM data for January 2012, production of biodiesel reported on Form EIA-22M was included under the heading of “renewable fuels and oxygenate plant net production” in petroleum

supply and disposition balances for “renewable fuels except fuel ethanol”. As a result, the adjustment for “renewable fuels except fuel ethanol” no longer includes production of biodiesel. This change will also be made to revised monthly data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

- Biodiesel adjustment quantities at the U.S. level equal the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. There are no survey data available for rail movements of biodiesel between PAD Districts, and so allocation of fuel biodiesel adjustments to PAD Districts is based on the ratio of biomass-based diesel blending reported on surveys in each PAD District divided by biomass-based diesel fuel blending reported on surveys for the entire U.S. Biodiesel implied net receipts are calculated for each PAD District as the sum of stock change, refinery and blender net input, and exports minus the sum of renewable fuels and oxygenate plant net production, imports, and adjustments. Biodiesel implied net receipts are the balancing item between total supply and disposition in each PAD District. Biodiesel adjustment quantities are assumed to reflect blending of biodiesel into distillate fuel oil that is implied by the available supply of biodiesel but not reported as input on surveys. Biodiesel adjustment volumes are reclassified to distillate fuel oil (15 ppm sulfur and under) through distillate fuel oil adjustments.

#### (9.) Distillate Fuel Oil Adjustment

Adjustment quantities for distillate fuel oil show reclassification by pipeline operators of distillate fuel oil with sulfur content of 15 ppm and under to distillate fuel oil with sulfur content greater than 15 ppm to 500 ppm (inclusive). Reclassification may occur when distillate product with sulfur content of 15 ppm and under becomes mixed with products having higher sulfur content during pipeline transportation, storage, or handling. Adjustment quantities are reported by pipeline operators on Form EIA-812 “Monthly Product Pipeline Report.” This adjustment was discontinued after publication of data for December 2010

Beginning with PSM data for January 2012, distillate fuel oil adjustments equal the opposite of biodiesel adjustments described above in section 7. Biodiesel adjustments are added to distillate fuel oil (15 ppm sulfur and under) and to total distillate fuel oil. Distillate fuel oil adjustment quantities are assumed to reflect biodiesel blending activity implied by biodiesel supply and disposition but not reported on surveys. Distillate fuel oil adjustments for biodiesel will also be added to revised data for January-December 2011 when the 2011 Petroleum Supply Annual is released.

### (10.) Crude Oil Adjustment

Adjustment quantities for crude oil are derived to balance crude oil supply and disposition. Crude oil product supplied was equal to crude oil used directly as reported on Form EIA-813 “Monthly Crude Oil Report” in data through December 2009. Reporting crude oil used directly was discontinued on Form EIA-813 after collection of data for December 2009. Crude oil product supplied is assumed equal to zero beginning with data for January 2010. Undercounting crude oil imports in survey data is one example of a typical cause of crude oil adjustments. This results in a positive crude oil adjustment because crude oil disposition (i.e. the sum of stock change, refiner inputs, and exports) will exceed available supply (i.e. the sum of field production and imports) due to import undercounting. Crude oil losses are included in crude oil adjustment quantities. The crude oil adjustment was formerly called unaccounted-for crude oil. The name change was effective with data for January 2005.

### (11.) Other Hydrocarbon Adjustment

Adjustment quantities for “other” hydrocarbons equal the sum of stock change, refinery and blender net inputs and exports minus imports. “Other” hydrocarbons product supplied is assumed equal to zero. Adjustment quantities account for “other” hydrocarbons produced outside of refineries. There are no movements data collected on surveys for “other” hydrocarbons. Therefore, adjustment quantities include any net receipts of “other” hydrocarbons resulting from inter-PAD District movements.

### (12.) Hydrogen Adjustment

Adjustment quantities for hydrogen equal refinery and blender net input of hydrogen. Hydrogen product supplied is assumed equal to zero. Adjustment quantities account for hydrogen supplied to U.S. refineries from non-refinery sources. There are no movements data collected on surveys for hydrogen. Therefore, adjustment quantities at the PAD District level include any net receipts of hydrogen resulting from inter-PAD District movements.

### (13.) Oxygenates (excluding fuel ethanol) Adjustment

Adjustment quantities for oxygenates (excluding fuel ethanol) equal the sum of stock change, refinery and blender net inputs, and exports minus the sum of renewable fuels and oxygenate plant net production and imports. Product supplied for oxygenates (excluding fuel ethanol) is assumed equal to zero. Methyl tertiary butyl ether (MTBE) is the single largest component of oxygenates (excluding fuel ethanol).

## 3. Quality

### A. General Discussion

#### (1.) Response Rates

The response rate is generally 98 to 100 percent. Average response rates for the monthly and weekly surveys are published in the annual PSM article “Accuracy of Petroleum Supply Data.” Chronic nonrespondents and late filing respondents are contacted in writing and reminded of their requirement to report. Companies that file late or fail to file are subject to criminal fines, civil penalties, and other sanctions as provided by Section 13(i) of the Federal Energy Administration (FEA) Act.

#### (2.) Non-sampling Errors

There are two types of errors usually associated with data produced from a survey; sampling errors and nonsampling errors. Because the estimates for the monthly surveys are based on a complete census of the frame, there is no sampling error in the data presented. The data, however, are subject to non-sampling errors. Non-sampling errors may arise from a number of sources including: (1) the inability to obtain data from all companies in the frame (non-response) and the method used to account for non-response, (2) response errors, (3) differences in the interpretation of questions or definitions, (4) mistakes in recording or coding of the data obtained from respondents, and (5) other errors of collection, response, coverage, processing, and estimation.

#### (3.) Resubmissions

Throughout the year, EIA accepts data revisions of monthly data. If a revision to a monthly submission is made after the PSM has been published, it is referred to as a resubmission. The final monthly values for the previous year are published in the PSA. These values reflect all PSM resubmissions and other data corrections. The values contained in the PSA are EIA’s most accurate measure of petroleum supply activity.

#### (4.) Revision Policy

EIA will publish revised monthly crude oil production estimates going back to the Previously published Petroleum Supply Annual every month in the Petroleum Supply Navigator (<http://www.eia.gov/petroleum/supply/monthly/>). Once a year with the release of the Petroleum Supply Annual, EIA will revise up to 10 years of historical production estimates in the Petroleum Supply Navigator.

## B. Data Assessment

The principal objective of the PSRS is to provide an accurate picture of petroleum industry activities and of the availability of petroleum products nationwide from primary distribution channels. The PSM preliminary monthly data serve as leading indicators of the final monthly data published in the PSA. The PSM monthly data are not expected to have the same level of accuracy as the final monthly data published in the PSA. However, the preliminary monthly data are expected to exhibit like trends and product flow characteristic of the final monthly data.

To assess the accuracy of monthly statistics, initial monthly estimates published in the PSM are compared with the final monthly aggregates published in the PSA. Although final monthly data are still subject to error, they have been thoroughly reviewed and edited, they reflect all revisions made during the year, and they are considered to be the most accurate data available. The mean absolute percent error provides a measure of the average revisions relative to the aggregates being measured for a variable. The mean absolute percent error for 2007 monthly data was less than 1 percent for 50 of the 66 major petroleum variables analyzed.

### 4. Provisions Regarding Disclosure of Information

All PSRS survey forms, with the exception of the Form EIA-814, "Monthly Imports Report," have the same general disclosure information statement. The information reported on Form EIA-814 will be considered "public information" and may be publicly released in company or individually identifiable form, and will not be protected from disclosure in identifiable form.

The information reported on Forms EIA-810 through 813, 815 through 817, 819, and 820 will be protected and not disclosed to the

public to the extent that it satisfies the criteria for exemption under the Freedom of Information Act (FOIA), 5 U.S.C. §552, the Department of Energy (DOE) regulations, 10 C.F.R. §1004.11, implementing the FOIA, and the Trade Secrets Act, 18 U.S.C. §1905. The Federal Energy Administration Act requires the EIA to provide company-specific data to other Federal agencies when requested for official use. The information reported on this form may also be made available, upon request, to another DOE component; to any Committee of Congress, the Government Accountability Office, or other Federal agencies authorized by law to receive such information. A court of competent jurisdiction may obtain this information in response to an order. The information may be used for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Disclosure limitation procedures are not applied to the statistical data published from this survey's information. Thus, there may be some statistics that are based on data from fewer than three respondents, or that are dominated by data from one or two large respondents. In these cases, it may be possible for a knowledgeable person to estimate the information reported by a specific respondent.

In addition to the use of the information by EIA for statistical purposes, the information may be made available, upon request, to other Federal agencies authorized by law to receive such information for any nonstatistical purposes such as administrative, regulatory, law enforcement, or adjudicatory purposes.

Company specific data are also provided to other DOE offices for the purpose of examining specific petroleum operations in the context of emergency response planning and actual emergencies.

## Northeast Reserves

Reserves inventories are not considered to be in the commercial sector and are excluded from EIA's commercial motor gasoline and distillate fuel oil supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

### Northeast Home Heating Oil Reserve classified as ultra-low sulfur distillate (15 parts per million)

Terminal Operator	Location	Thousand Barrels
Buckeye Partners LP	Port Reading, NJ	300
Buckeye Partners LP	Groton, CT	300
Global Companies LLC	Revere, MA	400

Source: U. S. Energy Information Administration

### Northeast Regional Refined Petroleum Product Reserve motor gasoline products

Terminal Operator	Location	Thousand Barrels
BP Products North America	Carteret, NJ	200
Buckeye Terminals LLC	Port Reading, NJ	0
Buckeye Terminals LLC	Raritan Bay, NJ	500
Global Companies LLC	Revere, MA	200
South Portland Terminal LLC	South Portland, ME	99

Source: U. S. Energy Information Administration

Other reserves information from the U.S. Department of Energy, Office of Petroleum Reserves can be found at <http://energy.gov/fe/services/petroleum-reserves/>

## State of New York's Strategic Fuels Reserve Program

State reserve inventories are also not considered to be in the commercial sector and are excluded from EIA's commercial inventories and are excluded from supply and disposition statistics, such as those reported in the *Weekly Petroleum Status Report*, *Petroleum Supply Monthly*, and *This Week In Petroleum*.

Product	Location	Thousand Barrels
Motor Gasoline Blending Components	NY	58
Fuel Ethanol	NY	10
Distillate Fuel Oil, 15 ppm Sulfur and Under	NY	34

Source: New York State Energy Research & Development Authority

# Definitions of Petroleum Products and Other Terms

(Revised May 2010)

**Alcohol.** The family name of a group of organic chemical compounds composed of carbon, hydrogen, and oxygen. The series of molecules vary in chain length and are composed of a hydrocarbon plus a hydroxyl group;  $\text{CH}_3\text{-(CH}_2\text{)}_n\text{-OH}$  (e.g., methanol, ethanol, and tertiary butyl alcohol).

**Alkylate.** The product of an alkylation reaction. It usually refers to the high octane product from alkylation units. This alkylate is used in blending high octane gasoline.

**Alkylation.** A refining process for chemically combining isobutane with olefin hydrocarbons (e.g., propylene, butylene) through the control of temperature and pressure in the presence of an acid catalyst, usually sulfuric acid or hydrofluoric acid. The product, alkylate, an isoparaffin, has high octane value and is blended with motor and aviation gasoline to improve the antiknock value of the fuel.

**All Other Motor Gasoline Blending Components. See Motor Gasoline Blending Components.**

**API Gravity.** An arbitrary scale expressing the gravity or density of liquid petroleum products. The measuring scale is calibrated in terms of degrees API; it may be calculated in terms of the following formula:

$$\text{Degrees API} = \frac{141.5}{\text{sp. gr. @ } 60^\circ \text{ F}} - 131.5$$

The higher the API gravity, the lighter the compound. Light crudes generally exceed 38 degrees API and heavy crudes are commonly labeled as all crudes with an API gravity of 22 degrees or below. Intermediate crudes fall in the range of 22 degrees to 38 degrees API gravity.

**Aromatics.** Hydrocarbons characterized by unsaturated ring structures of carbon atoms. Commercial petroleum aromatics are benzene, toluene, and xylene (BTX).

**Asphalt.** A dark-brown-to-black cement-like material containing bitumens as the predominant constituent obtained by petroleum processing; used primarily for road construction. It includes crude asphalt as well as the following finished products: cements, fluxes, the asphalt content of emulsions (exclusive of water), and petroleum distillates blended with asphalt to make cutback asphalts. Note: The conversion factor for asphalt is 5.5 barrels per short ton.

**ASTM.** The acronym for the American Society for Testing and Materials.

**Atmospheric Crude Oil Distillation.** The refining process of separating crude oil components at atmospheric pressure by heating to temperatures of about 600 degrees Fahrenheit to 750 degrees Fahrenheit (depending on the nature of the crude oil and desired products) and subsequent condensing of the fractions by cooling.

**Aviation Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in aviation reciprocating

engines. Fuel specifications are provided in ASTM Specification D 910 and Military Specification MIL-G-5572. Note: Data on blending components are not counted in data on finished aviation gasoline.

**Aviation Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation gasoline (e.g., straight-run gasoline, alkylate, reformat, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus. Oxygenates are reported as other hydrocarbons, hydrogen, and oxygenates.

**Barrel.** A unit of volume equal to 42 U.S. gallons.

**Barrels Per Calendar Day.** The amount of input that a distillation facility can process under usual operating conditions. The amount is expressed in terms of capacity during a 24-hour period and reduces the maximum processing capability of all units at the facility under continuous operation (see **Barrels per Stream Day**) to account for the following limitations that may delay, interrupt, or slow down production:

the capability of downstream facilities to absorb the output of crude oil processing facilities of a given refinery. No reduction is made when a planned distribution of intermediate streams through other than downstream facilities is part of a refinery's normal operation;

the types and grades of inputs to be processed;

the types and grades of products expected to be manufactured;

the environmental constraints associated with refinery operations;

the reduction of capacity for scheduled downtime due to such conditions as routine inspection, maintenance, repairs, and turnaround; and

the reduction of capacity for unscheduled downtime due to such conditions as mechanical problems, repairs, and slowdowns.

**Barrels Per Stream Day.** The maximum number of barrels of input that a distillation facility can process within a 24-hour period when running at full capacity under optimal crude and product slate conditions with no allowance for downtime.

**Benzene ( $\text{C}_6\text{H}_6$ ).** An aromatic hydrocarbon present in small proportion in some crude oils and made commercially from petroleum by the catalytic reforming of naphthenes in petroleum naphtha. Also made from coal in the manufacture of coke. Used as a solvent, in manufacturing detergents, synthetic fibers, and petrochemicals and as a component of high-octane gasoline.

**Biomass-Based Diesel Fuel.** Biodiesel and other renewable diesel fuel or diesel fuel blending components derived from biomass, but excluding renewable diesel fuel coprocessed with petroleum

feedstocks.

**Blending Components.** See *Motor or Aviation Gasoline Blending Components*.

**Blending Plant.** A facility which has no refining capability but is either capable of producing finished motor gasoline through mechanical blending or blends oxygenates with motor gasoline.

**Bonded Petroleum Imports.** Petroleum imported and entered into Customs bonded storage. These imports are not included in the import statistics until they are: (1) withdrawn from storage free of duty for use as fuel for vessels and aircraft engaged in international trade; or (2) withdrawn from storage with duty paid for domestic use.

**BTX.** The acronym for the commercial petroleum aromatics benzene, toluene, and xylene. See individual categories for definitions.

**Bulk Station.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of less than 50,000 barrels and receives its petroleum products by tank car or truck.

**Bulk Terminal.** A facility used primarily for the storage and/or marketing of petroleum products which has a total bulk storage capacity of 50,000 barrels or more and/or receives petroleum products by tanker, barge, or pipeline.

**Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain or branch-chain hydrocarbon extracted from natural gas or refinery gas streams. It includes normal butane and refinery-grade butane and is designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial butane.

**Normal Butane ( $C_4H_{10}$ ).** A normally gaseous straight-chain hydrocarbon that is a colorless paraffinic gas which boils at a temperature of 31.1 degrees Fahrenheit and is extracted from natural gas or refinery gas streams.

**Refinery-Grade Butane ( $C_4H_{10}$ ).** A refinery-produced stream that is composed predominantly of normal butane and/or isobutane and may also contain propane and/or natural gasoline. These streams may also contain significant levels of olefins and/or fluorides contamination.

**Butylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes.

**Captive Refinery Oxygenate Plants.** Oxygenate production facilities located within or adjacent to a refinery complex.

**Catalytic Cracking.** The refining process of breaking down the larger, heavier, and more complex hydrocarbon molecules into simpler and lighter molecules. Catalytic cracking is accomplished by the use of a catalytic agent and is an effective process for increasing the yield of gasoline from crude oil. Catalytic cracking processes fresh feeds and recycled feeds.

**Fresh Feeds.** Crude oil or petroleum distillates which are being fed to processing units for the first time.

**Recycled Feeds.** Feeds that are continuously fed back for additional processing.

**Catalytic Hydrocracking.** A refining process that uses hydrogen and catalysts with relatively low temperatures and high pressures for converting middle boiling or residual material to high-octane gasoline, reformer charge stock, jet fuel, and/or high grade fuel oil. The process uses one or more catalysts, depending upon product output, and can handle high sulfur feedstocks without prior desulfurization.

**Catalytic Hydrotreating.** A refining process for treating petroleum fractions from atmospheric or vacuum distillation units (e.g., naphthas, middle distillates, reformer feeds, residual fuel oil, and heavy gas oil) and other petroleum (e.g., cat cracked naphtha, coker naphtha, gas oil, etc.) in the presence of catalysts and substantial quantities of hydrogen. Hydrotreating includes desulfurization, removal of substances (e.g., nitrogen compounds) that deactivate catalysts, conversion of olefins to paraffins to reduce gum formation in gasoline, and other processes to upgrade the quality of the fractions.

**Catalytic Reforming.** A refining process using controlled heat and pressure with catalysts to rearrange certain hydrocarbon molecules, thereby converting paraffinic and naphthenic type hydrocarbons (e.g., low-octane gasoline boiling range fractions) into petrochemical feedstocks and higher octane stocks suitable for blending into finished gasoline. Catalytic reforming is reported in two categories. They are:

**Low Pressure.** A processing unit operating at less than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**High Pressure.** A processing unit operating at either equal to or greater than 225 pounds per square inch gauge (PSIG) measured at the outlet separator.

**Charge Capacity.** The input (feed) capacity of the refinery processing facilities.

**Coal.** A readily combustible black or brownish-black rock whose composition, including inherent moisture, consists of more than 50 percent by weight and more than 70 percent by volume of carbonaceous material. It is formed from plant remains that have been compacted, hardened, chemically altered, and metamorphosed by heat and pressure over geologic time.

**Commercial Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Conventional Blendstock for Oxygenate Blending (CBOB).** See *Motor Gasoline Blending Components*.

**Conventional Gasoline.** See *Motor Gasoline (Finished)*.

**Crude Oil.** A mixture of hydrocarbons that exists in liquid phase in natural underground reservoirs and remains liquid at atmospheric pressure after passing through surface separating facilities. Depending upon the characteristics of the crude stream, it may also include:

Small amounts of hydrocarbons that exist in gaseous phase in natural underground reservoirs but are liquid at atmospheric pressure after being recovered from oil well (casinghead) gas in lease separators and are subsequently commingled

with the crude stream without being separately measured. Lease condensate recovered as a liquid from natural gas wells in lease or field separation facilities and later mixed into the crude stream is also included;

Small amounts of nonhydrocarbons produced from oil, such as sulfur and various metals;

Drip gases, and liquid hydrocarbons produced from tar sands, oil sands, gilsonite, and oil shale.

Liquids produced at natural gas processing plants are excluded. Crude oil is refined to produce a wide array of petroleum products, including heating oils; gasoline, diesel and jet fuels; lubricants; asphalt; ethane, propane, and butane; and many other products used for their energy or chemical content.

Crude oil is considered as either domestic or foreign, according to the following:

**Domestic.** Crude oil produced in the United States or from its Outer continental shelf as defined in 43 USC 1331.

**Foreign.** Crude oil produced outside the United States. Imported Athabasca hydrocarbons (tar sands from Canada) are included.

**Crude Oil, Refinery Receipts.** Receipts of domestic and foreign crude oil at a refinery. Includes all crude oil in transit except crude oil in transit by pipeline. Foreign crude oil is reported as a receipt only after entry through customs. Crude oil of foreign origin held in bonded storage is excluded.

**Crude Oil Losses.** Represents the volume of crude oil reported by petroleum refineries as being lost in their operations. These losses are due to spills, contamination, fires, etc. as opposed to refinery processing losses.

**Crude Oil Production.** The volume of crude oil produced from oil reservoirs during given periods of time. The amount of such production for a given period is measured as volumes delivered from lease storage tanks (i.e., the point of custody transfer) to pipelines, trucks, or other media for transport to refineries or terminals with adjustments for (1) net differences between opening and closing lease inventories, and (2) basic sediment and water (BS&W).

**Crude Oil Qualities.** Refers to two properties of crude oil, the sulfur content and API gravity, which affect processing complexity and product characteristics.

**Delayed Coking.** A process by which heavier crude oil fractions can be thermally decomposed under conditions of elevated temperatures and pressure to produce a mixture of lighter oils and petroleum coke. The light oils can be processed further in other refinery units to meet product specifications. The coke can be used either as a fuel or in other applications such as the manufacturing of steel or aluminum.

**Desulfurization.** The removal of sulfur, as from molten metals, petroleum oil, or flue gases. Petroleum desulfurization is a process that removes sulfur and its compounds from various streams during the refining process. Desulfurization processes include catalytic hydrotreating and other chemical/physical processes such

as adsorption. Desulfurization processes vary based on the type of stream treated (e.g., naphtha, distillate, heavy gas oil, etc.) and the amount of sulfur removed (e.g., sulfur reduction to 10 ppm). See *Catalytic Hydrotreating*.

**Disposition.** The components of petroleum disposition are stock change, crude oil losses, refinery inputs, exports, and products supplied for domestic consumption.

**Distillate Fuel Oil.** A general classification for one of the petroleum fractions produced in conventional distillation operations. It includes diesel fuels and fuel oils. Products known as No. 1, No. 2, and No. 4 diesel fuel are used in on-highway diesel engines, such as those in trucks and automobiles, as well as off-highway engines, such as those in railroad locomotives and agricultural machinery. Products known as No. 1, No. 2, and No. 4 fuel oils are used primarily for space heating and electric power generation.

**No. 1 Distillate.** A light petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 1 Diesel Fuel.** A light distillate fuel oil that has a distillation temperature of 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high speed diesel engines generally operated under frequent speed and load changes, such as those in city buses and similar vehicles. See *No. 1 Distillate*.

**No. 1 Fuel Oil.** A light distillate fuel oil that has distillation temperatures of 400 degrees Fahrenheit at the 10-percent recovery point and 550 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used primarily as fuel for portable outdoor stoves and portable outdoor heaters. See *No. 1 Distillate*.

**No. 2 Distillate.** A petroleum distillate that can be used as either a diesel fuel or a fuel oil.

**No. 2 Diesel Fuel.** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 975. It is used in high-speed diesel engines that are generally operated under uniform speed and load conditions, such as those in railroad locomotives, trucks, and automobiles. See *No. 2 Distillate*.

**Low Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level no higher than 0.05 percent by weight. It is used primarily in motor vehicle diesel engines for on-highway use.

**High Sulfur No. 2 Diesel Fuel.** No. 2 diesel fuel that has a sulfur level above 0.05 percent by weight.

**No. 2 Fuel Oil (Heating Oil).** A distillate fuel oil that has a distillation temperature of 640 degrees Fahrenheit at the 90-percent recovery point and meets the specifications defined in ASTM Specification D 396. It is used in

atomizing type burners for domestic heating or for moderate capacity commercial/industrial burner units. See **No. 2 Distillate**.

**No. 4 Fuel.** A distillate fuel oil made by blending distillate fuel oil and residual fuel oil stocks. It conforms to ASTM Specification D 396 or Federal Specification VV-F-815C and is used extensively in industrial plants and in commercial burner installations that are not equipped with preheating facilities. It also includes No. 4 diesel fuel used for low- and medium-speed diesel engines and conforms to ASTM Specification D 975.

**No. 4 Diesel Fuel.** See **No. 4 Fuel**.

**No. 4 Fuel Oil.** See **No. 4 Fuel**.

**Electricity (Purchased).** Electricity purchased for refinery operations that is not produced within the refinery complex.

**Ending Stocks.** Primary stocks of crude oil and petroleum products held in storage as of 12 midnight on the last day of the month. Primary stocks include crude oil or petroleum products held in storage at (or in) leases, refineries, natural gas processing plants, pipelines, tank farms, and bulk terminals that can store at least 50,000 barrels of petroleum products or that can receive petroleum products by tanker, barge, or pipeline. Crude oil that is in-transit by water from Alaska, or that is stored on Federal leases or in the Strategic Petroleum Reserve is included. Primary Stocks exclude stocks of foreign origin that are held in bonded warehouse storage.

**ETBE (Ethyl tertiary butyl ether) (CH<sub>3</sub>)<sub>3</sub>COC<sub>2</sub>H<sub>5</sub>.** An oxygenate blend stock formed by the catalytic etherification of isobutylene with ethanol.

**Ethane (C<sub>2</sub>H<sub>6</sub>).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 127.48 degrees Fahrenheit. It is extracted from natural gas and refinery gas streams.

**Ether.** A generic term applied to a group of organic chemical compounds composed of carbon, hydrogen, and oxygen, characterized by an oxygen atom attached to two carbon atoms (e.g., methyl tertiary butyl ether).

**Ethylene (C<sub>2</sub>H<sub>4</sub>).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes. Ethylene is used as a petrochemical feedstock for numerous chemical applications and the production of consumer goods.

**Exports.** Shipments of crude oil and petroleum products from the 50 States and the District of Columbia to foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Field Production.** Represents crude oil production on leases, natural gas liquids production at natural gas processing plants, new supply of other hydrocarbons/oxygenates and motor gasoline blending components, and fuel ethanol blended into finished motor gasoline.

**Flexicoking.** A thermal cracking process which converts heavy

hydrocarbons such as crude oil, tar sands bitumen, and distillation residues into light hydrocarbons. Feedstocks can be any pumpable hydrocarbons including those containing high concentrations of sulfur and metals.

**Fluid Coking.** A thermal cracking process utilizing the fluidized-solids technique to remove carbon (coke) for continuous conversion of heavy, low-grade oils into lighter products.

**Fresh Feed Input.** Represents input of material (crude oil, unfinished oils, natural gas liquids, other hydrocarbons and oxygenates or finished products) to processing units at a refinery that is being processed (input) into a particular unit for the first time.

Examples:

(1.) Unfinished oils coming out of a crude oil distillation unit which are input into a catalytic cracking unit are considered fresh feed to the catalytic cracking unit.

(2.) Unfinished oils coming out of a catalytic cracking unit being looped back into the same catalytic cracking unit to be reprocessed are not considered fresh feed.

**Fuel Ethanol (C<sub>2</sub>H<sub>5</sub>OH).** An anhydrous alcohol (ethanol with less than 1% water) intended for gasoline blending as described in Oxygenates definition.

**Fuels Solvent Deasphalting.** A refining process for removing asphalt compounds from petroleum fractions, such as reduced crude oil. The recovered stream from this process is used to produce fuel products.

**Gas Oil.** A liquid petroleum distillate having a viscosity intermediate between that of kerosene and lubricating oil. It derives its name from having originally been used in the manufacture of illuminating gas. It is now used to produce distillate fuel oils and gasoline.

**Gasohol.** A blend of finished motor gasoline containing alcohol (generally ethanol but sometimes methanol) at a concentration of 10 percent or less by volume. Data on gasohol that has at least 2.7 percent oxygen, by weight, and is intended for sale inside carbon monoxide nonattainment areas are included in data on oxygenated gasoline. See **Oxygenates**.

**Gasoline Blending Components.** Naphthas which will be used for blending or compounding into finished aviation or motor gasoline (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, and xylene). Excludes oxygenates (alcohols, ethers), butane, and pentanes plus.

**Gasoline Treated as Blendstock (GTAB).** See **Motor Gasoline Blending Components**.

**Gross Input to Atmospheric Crude Oil Distillation Units.** Total input to atmospheric crude oil distillation units. Includes all crude oil, lease condensate, natural gas plant liquids, unfinished oils, liquefied refinery gases, slop oils, and other liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Heavy Gas Oil.** Petroleum distillates with an approximate boiling



range from 651 degrees Fahrenheit to 1000 degrees Fahrenheit.

**High-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 500 ppm.

**Hydrogen.** The lightest of all gases, occurring chiefly in combination with oxygen in water; exists also in acids, bases, alcohols, petroleum, and other hydrocarbons.

**Idle Capacity.** The component of operable capacity that is not in operation and not under active repair, but capable of being placed in operation within 30 days; and capacity not in operation but under active repair that can be completed within 90 days.

**Imported Crude Oil Burned As Fuel.** The amount of foreign crude oil burned as a fuel oil, usually as residual fuel oil, without being processed as such. Imported crude oil burned as fuel includes lease condensate and liquid hydrocarbons produced from tar sands, gilsonite, and oil shale.

**Imports.** Receipts of crude oil and petroleum products into the 50 States and the District of Columbia from foreign countries, Puerto Rico, the Virgin Islands, and other U.S. possessions and territories.

**Isobutane ( $C_4H_{10}$ ).** A normally gaseous branch-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of 10.9 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams.

**Isobutylene ( $C_4H_8$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Isohexane ( $C_6H_{14}$ ).** A saturated branch-chain hydrocarbon. It is a colorless liquid that boils at a temperature of 156.2 degrees Fahrenheit.

**Isomerization.** A refining process which alters the fundamental arrangement of atoms in the molecule without adding or removing anything from the original material. Used to convert normal butane into isobutane ( $C_4$ ), an alkylation process feedstock, and normal pentane and hexane into isopentane ( $C_5$ ) and isohexane ( $C_6$ ), high-octane gasoline components.

**Isopentane.** See *Natural Gasoline and Isopentane*.

**Kerosene.** A light petroleum distillate that is used in space heaters, cook stoves, and water heaters and is suitable for use as a light source when burned in wick-fed lamps. Kerosene has a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point, a final boiling point of 572 degrees Fahrenheit, and a minimum flash point of 100 degrees Fahrenheit. Included are No. 1-K and No. 2-K, the two grades recognized by ASTM Specification D 3699 as well as all other grades of kerosene called range or stove oil, which have properties similar to those of No. 1 fuel oil. See *Kerosene-Type Jet Fuel*.

**Kerosene-Type Jet Fuel.** A kerosene-based product having a maximum distillation temperature of 400 degrees Fahrenheit at the 10-percent recovery point and a final maximum boiling point of 572 degrees Fahrenheit and meeting ASTM Specification D 1655 and Military Specifications MIL-T-5624P and MIL-T-83133D (Grades JP-5 and JP-8). It is used for commercial and military turbojet and turboprop aircraft engines.

**Commercial.** Kerosene-type jet fuel intended for use in commercial aircraft.

**Military.** Kerosene-type jet fuel intended for use in military aircraft.

**Lease Condensate.** A mixture consisting primarily of pentanes and heavier hydrocarbons which is recovered as a liquid from natural gas in lease separation facilities. This category excludes natural gas liquids, such as butane and propane, which are recovered at downstream natural gas processing plants or facilities. See *Natural Gas Liquids*.

**Light Gas Oils.** Liquid Petroleum distillates heavier than naphtha, with an approximate boiling range from 401 degrees Fahrenheit to 650 degrees Fahrenheit.

**Liquefied Petroleum Gases (LPG).** A group of hydrocarbon-based gases derived from crude oil refining or natural gas fractionation. They include: ethane, ethylene, propane, propylene, normal butane, butylene, isobutane, and isobutylene. For convenience of transportation, these gases are liquefied through pressurization.

**Liquefied Refinery Gases (LRG).** Liquefied petroleum gases fractionated from refinery or still gases. Through compression and/or refrigeration, they are retained in the liquid state. The reported categories are ethane/ethylene, propane/propylene, normal butane/butylene, and isobutane/isobutylene. Excludes still gas.

**Low-Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content greater than 15 ppm to 500 ppm. Low sulfur distillate fuel oil also includes product with sulfur content equal to or less than 15 ppm if the product is intended for pipeline shipment and the pipeline has a sulfur specification below 15 ppm.

**Lubricants.** Substances used to reduce friction between bearing surfaces or as process materials either incorporated into other materials used as processing aids in the manufacture of other products, or used as carriers of other materials. Petroleum lubricants may be produced either from distillates or residues. Lubricants include all grades of lubricating oils from spindle oil to cylinder oil and those used in greases.

**Merchant Oxygenate Plants.** Oxygenate production facilities that are not associated with a petroleum refinery. Production from these facilities is sold under contract or on the spot market to refiners or other gasoline blenders.

**Methanol ( $CH_3OH$ ).** A light, volatile alcohol intended for gasoline blending as described in Oxygenate definition.

**Middle Distillates.** A general classification of refined petroleum products that includes distillate fuel oil and kerosene.

**Military Kerosene-Type Jet Fuel.** See *Kerosene-Type Jet Fuel*.

**Miscellaneous Products.** Includes all finished products not classified elsewhere (e.g., petrolatum, lube refining byproducts (aromatic extracts and tars), absorption oils, ram-jet fuel, petroleum rocket fuels, synthetic natural gas feedstocks, and specialty oils). Note:

Beginning with January 2004 data, naphtha-type jet fuel is included in Miscellaneous Products.

**Motor Gasoline (Finished).** A complex mixture of relatively volatile hydrocarbons with or without small quantities of additives, blended to form a fuel suitable for use in spark-ignition engines. Motor gasoline, as defined in ASTM Specification D 4814 or Federal Specification VV-G-1690C, is characterized as having a boiling range of 122 to 158 degrees Fahrenheit at the 10 percent recovery point to 365 to 374 degrees Fahrenheit at the 90 percent recovery point. "Motor Gasoline" includes conventional gasoline; all types of oxygenated gasoline, including gasohol; and reformulated gasoline, but excludes aviation gasoline. Volumetric data on blending components, such as oxygenates, are not counted in data on finished motor gasoline until the blending components are blended into the gasoline. Note: E85 is included only in volumetric data on finished motor gasoline production and other components of product supplied.

**Conventional Gasoline.** Finished motor gasoline not included in the oxygenated or reformulated gasoline categories. Note: This category excludes reformulated gasoline blendstock for oxygenate blending (RBOB) as well as other blendstock.

**Ed 55 and Lower.** Finished conventional motor gasoline blended with a maximum of 55 volume percent denatured fuel ethanol.

**Greater than Ed55.** Finished conventional motor gasoline blended with denatured fuel ethanol where the volume percent of denatured fuel ethanol exceeds 55%.

**OPRG.** "Oxygenated Fuels Program Reformulated Gasoline" is reformulated gasoline which is intended for use in an oxygenated fuels program control area.

**Oxygenated Gasoline (Including Gasohol).** Oxygenated gasoline includes all finished motor gasoline, other than reformulated gasoline, having oxygen content of 2.0 percent or higher by weight. Gasohol containing a minimum 5.7 percent ethanol by volume is included in oxygenated gasoline. Oxygenated gasoline was reported as a separate product from January 1993 until December 2003 inclusive. Beginning with monthly data for January 2004, oxygenated gasoline is included in conventional gasoline. Historical data for oxygenated gasoline excluded Federal Oxygenated Program Reformulated Gasoline (OPRG). Historical oxygenated gasoline data also excluded other reformulated gasoline with a seasonal oxygen requirement regardless of season.

**Reformulated Gasoline.** Finished gasoline formulated for use in motor vehicles, the composition and properties of which meet the requirements of the reformulated gasoline regulations promulgated by the U.S. Environmental Protection Agency under Section 211(k) of the Clean Air Act. It includes gasoline produced to meet or exceed emissions performance and benzene content standards of federal-program reformulated gasoline even though the gasoline

may not meet all of the composition requirements (e.g., oxygen content) of federal-program reformulated gasoline. Note: This category includes Oxygenated Fuels Program Reformulated Gasoline (OPRG). Reformulated gasoline excludes Reformulated Blendstock for Oxygenate Blending (RBOB) and Gasoline Treated as Blendstock (GTAB).

**Reformulated (Blended with Alcohol).** Reformulated gasoline blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content.

**Reformulated (Blended with Ether).** Reformulated gasoline blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content.

**Reformulated (Non-Oxygenated).** Reformulated gasoline without added ether or alcohol components.

**Motor Gasoline Blending.** Mechanical mixing of motor gasoline blending components, and oxygenates when required, to produce finished motor gasoline. Finished motor gasoline may be further mixed with other motor gasoline blending components or oxygenates, resulting in increased volumes of finished motor gasoline and/or changes in the formulation of finished motor gasoline (e.g., conventional motor gasoline mixed with MTBE to produce oxygenated motor gasoline).

**Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. These components include reformulated gasoline blendstock for oxygenate blending (RBOB) but exclude oxygenates (alcohols, ethers), butane, and pentanes plus. Note: Oxygenates are reported as individual components and are included in the total for other hydrocarbons, hydrogens, and oxygenates.

**Conventional Blendstock for Oxygenate Blending (CBOB).** Conventional gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. CBOB must become conventional gasoline after blending with oxygenates. Motor gasoline blending components that require blending other than with oxygenates to become finished conventional gasoline are reported as All Other Motor Gasoline Blending Components. Excludes reformulated blendstock for oxygenate blending (RBOB).

**Gasoline Treated as Blendstock (GTAB).** Non-certified Foreign Refinery gasoline classified by an importer as blendstock to be either blended or reclassified with respect to reformulated or conventional gasoline. GTAB was classified on EIA surveys as either reformulated or conventional based on emissions performance and the intended end use in data through the end of December 2009. Designation of GTAB as reformulated or conventional was discontinued beginning with data for January 2010. GTAB was reported as a single product beginning with data for January 2010. GTAB data for January 2010 and later months is presented as conventional

motor gasoline blending components when reported as a subset of motor gasoline blending components.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** Specially produced reformulated gasoline blendstock intended for blending with oxygenates downstream of the refinery where it was produced. Includes RBOB used to meet requirements of the Federal reformulated gasoline program and other blendstock intended for blending with oxygenates to produce finished gasoline that meets or exceeds emissions performance requirements of Federal reformulated gasoline (e.g., California RBOB and Arizona RBOB). Excludes conventional gasoline blendstocks for oxygenate blending (CBOB).

**RBOB for Blending with Alcohol.** Motor gasoline blending components intended to be blended with an alcohol component (e.g., fuel ethanol) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**RBOB for Blending with Ether.** Motor gasoline blending components intended to be blended with an ether component (e.g., methyl tertiary butyl ether) at a terminal or refinery to raise the oxygen content. RBOB product detail by type of oxygenate was discontinued effective with data for January 2010. Beginning with data for January 2010, RBOB was reported as a single product.

**All Other Motor Gasoline Blending Components.** Naphthas (e.g., straight-run gasoline, alkylate, reformate, benzene, toluene, xylene) used for blending or compounding into finished motor gasoline. Includes receipts and inputs of Gasoline Treated as Blendstock (GTAB). Excludes conventional blendstock for oxygenate blending (CBOB), reformulated blendstock for oxygenate blending, oxygenates (e.g. fuel ethanol and methyl tertiary butyl ether), butane, and pentanes plus.

**MTBE (Methyl tertiary butyl ether)  $(CH_3)_3COCH_3$ .** An ether intended for gasoline blending as described in Oxygenate definition.

**Naphtha.** A generic term applied to a petroleum fraction with an approximate boiling range between 122 degrees Fahrenheit and 400 degrees Fahrenheit.

**Naphtha Less Than 401° F.** See *Petrochemical Feedstocks*.

**Naphtha-Type Jet Fuel.** A fuel in the heavy naphtha boiling range having an average gravity of 52.8 degrees API, 20 to 90 percent distillation temperatures of 290 degrees to 470 degrees Fahrenheit, and meeting Military Specification MIL-T-5624L (Grade JP-4). It is used primarily for military turbojet and turboprop aircraft engines because it has a lower freeze point than other aviation fuels and meets engine requirements at high altitudes and speeds. Note: Beginning with January 2004 data, naphtha-type jet fuel is included in *Miscellaneous Products*.

**Natural Gas.** A gaseous mixture of hydrocarbon compounds, the primary one being **methane**.

**Natural Gas Field Facility.** A field facility designed to process natural gas produced from more than one lease for the purpose of recovering condensate from a stream of natural gas; however, some field facilities are designed to recover propane, normal butane, pentanes plus, etc., and to control the quality of natural gas to be marketed.

**Natural Gas Liquids.** Those hydrocarbons in natural gas that are separated from the gas as liquids through the process of absorption, condensation, adsorption, or other methods in gas processing or cycling plants. Generally such liquids consist of propane and heavier hydrocarbons and are commonly referred to as lease condensate, natural gasoline, and liquefied petroleum gases. Natural gas liquids include natural gas plant liquids (primarily ethane, propane, butane, and isobutane; see *Natural Gas Plant Liquids*) and lease condensate (primarily pentanes produced from natural gas at lease separators and field facilities; see *Lease Condensate*).

**Natural Gas Plant Liquids.** Those hydrocarbons in natural gas that are separated as liquids at natural gas processing plants, fractionating and cycling plants, and, in some instances, field facilities. Lease condensate is excluded. Products obtained include ethane; liquefied petroleum gases (propane, butanes, propane-butane mixtures, ethane-propane mixtures); isopentane; and other small quantities of finished products, such as motor gasoline, special naphthas, jet fuel, kerosene, and distillate fuel oil.

**Natural Gas Processing Plant.** Facilities designed to recover natural gas liquids from a stream of natural gas that may or may not have passed through lease separators and/or field separation facilities. These facilities control the quality of the natural gas to be marketed. Cycling plants are classified as gas processing plants.

**Natural Gasoline and Isopentane.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas, that meets vapor pressure, end-point, and other specifications for natural gasoline set by the Gas Processors Association. Includes isopentane which is a saturated branch-chain hydrocarbon,  $(C_5H_{12})$ , obtained by fractionation of natural gasoline or isomerization of normal pentane.

**Net Receipts.** The difference between total movements into and total movements out of each PAD District by pipeline, tanker, and barge.

**Normal Butane.** See *Butane*.

**OPEC.** An intergovernmental organization whose stated objective is to coordinate and unify petroleum policies of member countries. It was created at the Baghdad Conference on September 10–14, 1960. Current members (with years of membership) include Algeria (1969-present), Angola (2007-present), Ecuador (1973-1992 and 2007-present), Gabon (1975-1994 and July, 2016-present), Indonesia (1962-2008 and January, 2016-November, 2016), Iran (1960-present), Iraq (1960-present), Kuwait (1960-present), Libya (1962-present), Nigeria (1971-present), Qatar (1961-present), Saudi Arabia (1960-present), United Arab Emirates (1967-present), and Venezuela (1960-present).

**Operable Capacity.** The amount of capacity that, at the beginning of the period, is in operation; not in operation and not under active repair, but capable of being placed in operation within 30 days; or not in operation but under active repair that can be completed within 90 days. Operable capacity is the sum of the operating and idle capacity and is measured in barrels per calendar day or barrels per stream day.

**Operable Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operable refining capacity of the units.

**Operating Capacity.** The component of operable capacity that is in operation at the beginning of the period.

**Operating Utilization Rate.** Represents the utilization of the atmospheric crude oil distillation units. The rate is calculated by dividing the gross input to these units by the operating refining capacity of the units.

**Other Hydrocarbons.** Materials received by a refinery and consumed as a raw material. Includes hydrogen, coal tar derivatives and gilsonite. Excludes natural gas used for fuel or hydrogen feedstock.

**Other Oils Equal To or Greater Than 401° F.** See *Petrochemical Feedstocks*.

**Other Oxygenates.** Other aliphatic alcohols and aliphatic ethers intended for motor gasoline blending (e.g., isopropyl ether (IPE) or n-propanol).

**Oxygenated Gasoline.** See *Motor Gasoline (Finished)*.

**Oxygenates.** Substances which, when added to gasoline, increase the amount of oxygen in that gasoline blend. Fuel Ethanol, Methyl Tertiary Butyl Ether (MTBE), Ethyl Tertiary Butyl Ether (ETBE), and methanol are common oxygenates.

**Fuel Ethanol.** Blends of up to 10 percent by volume anhydrous ethanol (200 proof) (commonly referred to as the “gasohol waiver”).

**Methanol.** Blends of methanol and gasoline-grade tertiary butyl alcohol (GTBA) such that the total oxygen content does not exceed 3.5 percent by weight and the ratio of methanol to GTBA is less than or equal to 1. It is also specified that this blended fuel must meet ASTM volatility specifications (commonly referred to as the “ARCO” waiver).

Blends of up to 5.0 percent by volume methanol with a minimum of 2.5 percent by volume cosolvent alcohols having a carbon number of 4 or less (i.e., ethanol, propanol, butanol, and/or GTBA). The total oxygen must not exceed 3.7 percent by weight, and the blend must meet ASTM volatility specifications as well as phase separation and alcohol purity specifications (commonly referred to as the “DuPont” waiver).

**MTBE (Methyl tertiary butyl ether).** Blends up to 15.0 percent by volume MTBE which must meet the ASTM D4814 specifications. Blenders must take precautions that

the blends are not used as base gasolines for other oxygenated blends (commonly referred to as the “Sun” waiver).

**Pentanes Plus.** A mixture of hydrocarbons, mostly pentanes and heavier, extracted from natural gas. Includes isopentane, natural gasoline, and plant condensate.

**Persian Gulf.** The countries that comprise the Persian Gulf are: Bahrain, Iran, Iraq, Kuwait, Qatar, Saudi Arabia, and the United Arab Emirates.

**Petrochemical Feedstocks.** Chemical feedstocks derived from petroleum principally for the manufacture of chemicals, synthetic rubber, and a variety of plastics. The categories reported are “Naphtha Less Than 401° F” and “Other Oils Equal To or Greater Than 401° F.”

**Naphtha Less Than 401° F.** A naphtha with a boiling range of less than 401 degrees Fahrenheit that is intended for use as a petrochemical feedstock.

**Other Oils Equal To or Greater Than 401° F.** Oils with a boiling range equal to or greater than 401 degrees Fahrenheit that are intended for use as a petrochemical feedstock.

**Petroleum Administration for Defense (PAD) Districts.** Geographic aggregations of the 50 States and the District of Columbia into five districts by the Petroleum Administration for Defense in 1950. These districts were originally defined during World War II for purposes of administering oil allocation.

**Petroleum Coke.** A residue high in carbon content and low in hydrogen that is the final product of thermal decomposition in the condensation process in cracking. This product is reported as marketable coke or catalyst coke. The conversion is 5 barrels (of 42 U.S. gallons each) per short ton. Coke from petroleum has a heating value of 6.024 million Btu per barrel.

**Catalyst Coke.** In many catalytic operations (e.g., catalytic cracking) carbon is deposited on the catalyst, thus deactivating the catalyst. The catalyst is reactivated by burning off the carbon, which is used as a fuel in the refining process. This carbon or coke is not recoverable in a concentrated form.

**Marketable Coke.** Those grades of coke produced in delayed or fluid cokers which may be recovered as relatively pure carbon. This “green” coke may be sold as is or further purified by calcining.

**Petroleum Products.** Petroleum products are obtained from the processing of crude oil (including lease condensate), natural gas, and other hydrocarbon compounds. Petroleum products include unfinished oils, liquefied petroleum gases, pentanes plus, aviation gasoline, motor gasoline, naphtha-type jet fuel, kerosene-type jet fuel, kerosene, distillate fuel oil, residual fuel oil, petrochemical feedstocks, special naphthas, lubricants, waxes, petroleum coke, asphalt, road oil, still gas, and miscellaneous products.

**Pipeline (Petroleum).** Crude oil and product pipelines used to transport crude oil and petroleum products respectively, (including interstate, intrastate, and intracompany pipelines) within the 50 States and the District of Columbia.

**Plant Condensate.** One of the natural gas liquids, mostly pentanes and heavier hydrocarbons, recovered and separated as liquids at gas inlet separators or scrubbers in processing plants.

**Processing Gain.** The volumetric amount by which total output is greater than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a lower specific gravity than the crude oil processed.

**Processing Loss.** The volumetric amount by which total refinery output is less than input for a given period of time. This difference is due to the processing of crude oil into products which, in total, have a higher specific gravity than the crude oil processed.

**Product Supplied, Crude Oil.** Crude oil burned on leases and by pipelines as fuel.

**Production Capacity.** The maximum amount of product that can be produced from processing facilities.

**Products Supplied.** Approximately represents consumption of petroleum products because it measures the disappearance of these products from primary sources, i.e., refineries, natural gas processing plants, blending plants, pipelines, and bulk terminals. In general, product supplied of each product in any given period is computed as follows: field production, plus refinery production, plus imports, plus unaccounted for crude oil, (plus net receipts when calculated on a PAD District basis), minus stock change, minus crude oil losses, minus refinery inputs, minus exports.

**Propane ( $C_3H_8$ ).** A normally gaseous straight-chain hydrocarbon. It is a colorless paraffinic gas that boils at a temperature of - 43.67 degrees Fahrenheit. It is extracted from natural gas or refinery gas streams. It includes all products designated in ASTM Specification D1835 and Gas Processors Association Specifications for commercial propane and HD-5 propane.

**Propylene ( $C_3H_6$ ).** An olefinic hydrocarbon recovered from refinery processes or petrochemical processes.

**Propylene ( $C_3H_6$ ) (nonfuel use).** Propylene that is intended for use in nonfuel applications such as petrochemical manufacturing. Nonfuel use propylene includes chemical-grade propylene, polymer-grade propylene, and trace amounts of propane. Nonfuel use propylene also includes the propylene component of propane/propylene mixes where the propylene will be separated from the mix in a propane/propylene splitting process. Excluded is the propylene component of propane/propylene mixes where the propylene component of the mix is intended for sale into the fuel market.

**Refinery.** An installation that manufactures finished petroleum products from crude oil, unfinished oils, natural gas liquids, other hydrocarbons, and oxygenates.

**Refinery-Grade Butane.** See *Butane*.

**Refinery Input, Crude Oil.** Total crude oil (domestic plus foreign) input to crude oil distillation units and other refinery processing units (cokers, etc.).

**Refinery Input, Total.** The raw materials and intermediate materials processed at refineries to produce finished petroleum products. They include crude oil, products of natural gas processing plants, unfinished oils, other hydrocarbons and oxygenates, motor gasoline and aviation gasoline blending components and finished petroleum products.

**Refinery Production.** Petroleum products produced at a refinery or blending plant. Published production of these products equals refinery production minus refinery input. Negative production will occur when the amount of a product produced during the month is less than the amount of that same product that is reprocessed (input) or reclassified to become another product during the same month. Refinery production of unfinished oils, and motor and aviation gasoline blending components appear on a net basis under refinery input.

**Refinery Yield.** Refinery yield (expressed as a percentage) represents the percent of finished product produced from input of crude oil and net input of unfinished oils. It is calculated by dividing the sum of crude oil and net unfinished input into the individual net production of finished products. Before calculating the yield for finished motor gasoline, the input of natural gas liquids, other hydrocarbons and oxygenates, and net input of motor gasoline blending components must be subtracted from the net production of finished motor gasoline. Before calculating the yield for finished aviation gasoline, input of aviation gasoline blending components must be subtracted from the net production of finished aviation gasoline.

**Reformulated Blendstock for Oxygenate Blending (RBOB).** See *Motor Gasoline Blending Components*.

**Reformulated Gasoline.** See *Motor Gasoline (Finished)*.

**Renewable Fuels (Other).** Fuels and fuel blending components, except biomass-based diesel fuel, renewable diesel fuel, and fuel ethanol, produced from renewable biomass.

**Residual Fuel Oil.** A general classification for the heavier oils, known as No. 5 and No. 6 fuel oils, that remain after the distillate fuel oils and lighter hydrocarbons are distilled away in refinery operations. It conforms to ASTM Specifications D 396 and D 975 and Federal Specification VV-F-815C. No. 5, a residual fuel oil of medium viscosity, is also known as Navy Special and is defined in Military Specification MIL-F-859E, including Amendment 2 (NATO Symbol F-770). It is used in steam-powered vessels in government service and inshore power plants. No. 6 fuel oil includes Bunker C fuel oil and is used for the production of electric power, space heating, vessel bunkering, and various industrial purposes.

**Residuum.** Residue from crude oil after distilling off all but the heaviest components, with a boiling range greater than 1000 degrees Fahrenheit.

**Road Oil.** Any heavy petroleum oil, including residual asphaltic oil used as a dust palliative and surface treatment on roads and highways. It is generally produced in six grades from 0, the most liquid, to 5, the most viscous.

**Shell Storage Capacity.** The design capacity of a petroleum storage tank which is always greater than or equal to working storage capacity. Special Naphthas. All finished products within the naphtha boiling range that are used as paint thinners, cleaners, or solvents. These products are refined to a specified flash point. Special naphthas include all commercial hexane and cleaning solvents conforming to ASTM Specification D1836 and D484, respectively. Naphthas to be blended or marketed as motor gasoline or aviation gasoline, or that are to be used as petrochemical and synthetic natural gas (SNG) feedstocks are excluded.

**Steam (Purchased).** Steam, purchased for use by a refinery, that was not generated from within the refinery complex.

**Still Gas (Refinery Gas).** Any form or mixture of gases produced in refineries by distillation, cracking, reforming, and other processes. The principal constituents are methane, ethane, ethylene, normal butane, butylene, propane, propylene, etc. Still gas is used as a refinery fuel and a petrochemical feedstock. The conversion factor is 6 million BTU's per fuel oil equivalent barrel.

**Stock Change.** The difference between stocks at the beginning of the reporting period and stocks at the end of the reporting period. Note: A negative number indicates a decrease (i.e., a drawdown) in stocks and a positive number indicates an increase (i.e., a buildup) in stocks during the reporting period.

**Strategic Petroleum Reserve (SPR).** Petroleum stocks maintained by the Federal Government for use during periods of major supply interruption.

**Sulfur.** A yellowish nonmetallic element, sometimes known as "brimstone." It is present at various levels of concentration in many fossil fuels whose combustion releases sulfur compounds that are considered harmful to the environment. Some of the most commonly used fossil fuels are categorized according to their sulfur content, with lower sulfur fuels usually selling at a higher price. Note: No. 2 Distillate fuel is currently reported as having either a 0.05 percent or lower sulfur level for on-highway vehicle use or a greater than 0.05 percent sulfur level for off-highway use, home heating oil, and commercial and industrial uses. Residual fuel, regardless of use, is classified as having either no more than 1 percent sulfur or greater than 1 percent sulfur. Coal is also classified as being low-sulfur at concentrations of 1 percent or less or high-sulfur at concentrations greater than 1 percent.

**Supply.** The components of petroleum supply are field production, refinery production, imports, and net receipts when calculated on a PAD District basis.

**TAME (Tertiary amyl methyl ether)  $(CH_3)_2(C_2H_5)COCH_3$ .** An oxygenate blend stock formed by the catalytic etherification of isoamylene with methanol.

**Tank Farm.** An installation used by gathering and trunk pipeline companies, crude oil producers, and terminal operators (except refineries) to store crude oil.

**Tanker and Barge.** Vessels that transport crude oil or petroleum products. Data are reported for movements between PAD Districts; from a PAD District to the Panama Canal; or from the Panama Canal

to a PAD District.

**TBA (Tertiary butyl alcohol)  $(CH_3)_3COH$ .** An alcohol primarily used as a chemical feedstock, a solvent or feedstock for isobutylene production for MTBE; produced as a co-product of propylene oxide production or by direct hydration of isobutylene.

**Thermal Cracking.** A refining process in which heat and pressure are used to break down, rearrange, or combine hydrocarbon molecules. Thermal cracking includes gas oil, visbreaking, fluid coking, delayed coking, and other thermal cracking processes (e.g., flexicoking). See individual categories for definition.

**Toluene  $(C_6H_5CH_3)$ .** Colorless liquid of the aromatic group of petroleum hydrocarbons, made by the catalytic reforming of petroleum naphthas containing methyl cyclohexane. A high-octane gasoline-blending agent, solvent, and chemical intermediate, base for TNT.

**Ultra-Low Sulfur Distillate Fuel Oil.** Distillate fuel oil having sulfur content of 15 ppm or lower. Ultra-low sulfur distillate fuel oil that will be shipped by pipeline must satisfy the sulfur specification of the shipping pipeline if the pipeline specification is below 15 ppm. Distillate fuel oil intended for pipeline shipment that fails to meet a pipeline sulfur specification that is below 15 ppm will be classified as low-sulfur distillate fuel oil.

**Unaccounted for Crude Oil.** Represents the arithmetic difference between the calculated supply and the calculated disposition of crude oil. The calculated supply is the sum of crude oil production plus imports minus changes in crude oil stocks. The calculated disposition of crude oil is the sum of crude oil input to refineries, crude oil exports, crude oil burned as fuel, and crude oil losses.

**Unfinished Oils.** All oils requiring further processing, except those requiring only mechanical blending. Unfinished oils are produced by partial refining of crude oil and include naphthas and lighter oils, kerosene and light gas oils, heavy gas oils, and residuum.

**Unfractionated Streams.** Mixtures of unsegregated natural gas liquid components excluding those in plant condensate. This product is extracted from natural gas.

**United States.** The United States is defined as the 50 States and the District of Columbia.

**Vacuum Distillation.** Distillation under reduced pressure (less the atmospheric) which lowers the boiling temperature of the liquid being distilled. This technique with its relatively low temperatures prevents cracking or decomposition of the charge stock.

**Visbreaking.** A thermal cracking process in which heavy atmospheric or vacuum-still bottoms are cracked at moderate temperatures to increase production of distillate products and reduce viscosity of the distillation residues.

**Wax.** A solid or semi-solid material at 77 degrees Fahrenheit consisting of a mixture of hydrocarbons obtained or derived from petroleum fractions, or through a Fischer-Tropsch type process, in which the straight-chained paraffin series predominates. This includes all marketable wax, whether crude or refined, with a congealing point

(ASTM D 938) between 80 (or 85) and 240 degrees Fahrenheit and a maximum oil content (ASTM D 3235) of 50 weight percent.

**Working Storage Capacity.** The difference in volume between the maximum safe fill capacity and the quantity below which pump suction is ineffective (bottoms).

**Xylene ( $C_6H_4(CH_3)_2$ ).** Colorless liquid of the aromatic group of hydrocarbons made the catalytic reforming of certain naphthenic petroleum fractions. Used as high-octane motor and aviation gasoline blending agents, solvents, chemical intermediates. Isomers are metaxylene, orthoxylene, paraxylene.